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WATER RESOURCES BRANCH
WATER SURVEY OF CANADA
OTTAWA, CANADA, 1987

DIRECTION GENERALE DES EAUX INTERIEURES
ET DES TERRES
DIRECTION DES RESSOURCES EN EAU
DIVISION DES RELEVES HYDROLOGIQUES DU CANADA
OTTAWA, CANADA, 1987

Canada

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In 1887, Prime Minister Sir John A. Macdonald made an announcement of unprecedented environmental awareness. He announced the creation of the first Wildlife Sanctuary in Canada at Last Mountain Lake in Saskatchewan. This foresight in preserving an important site for migratory birds is readily appreciated in present times and is being recognized by officially declaring 1987 to be a year marking 100 years of wildlife conservation in Canada—Wildlife '87.

The Water Resources Branch is pleased to participate with the Canadian Wildlife Service in the celebration of Wildlife '87. Water is a vital element for all wildlife and the use of water data is critical to the wise management of waterfowl and many other wetland species.

The theme for Wildlife '87, "Gaining Momentum", is a reflection of the growing concern for wildlife conservation among Canadians. Recent surveys by the Canadian Wildlife Service have indicated that in 1981 about 80% of Canadians felt it was very important to maintain abundant wildlife and an even higher percentage participated in some form of wildlife-related activity.

The Canadian Wildlife Service has had a longstanding commitment to the conservation of wildlife. From its origin in the National Parks Branch of the Department of the Interior, it has emerged as an integral part of the current Department of Environment. Until the 1960s, the Canadian Wildlife Service mainly carried out research and management for migratory birds and acted as an advisory agency for Canadian wildlife issues. Subsequently, it has developed programs to provide wildlife information to the public, to protect species in danger of extinction and to conduct research and purchase land to preserve all wildlife.

The Canadian Wildlife Service has played an active role in Wildlife '87 and will continue to do so. By hosting the international RAMSAR Convention (May-June) and CITES Conference (July), attention will be drawn to the need to preserve wetlands and endangered species. The Canadian Wildlife Service will also coordinate the signing of management agreements and the designation of a number of wildlife conservation areas during 1987. These activities will identify wildlife problems and demonstrate the capability to arrive at cooperative solutions. It will be vital that Canadians continue to reach such cooperative solutions if wildlife is to survive the coming 100 years.

En 1887, le premier ministre Sir John A. Macdonald a fait une annonce qui dénotait une conscience sans précédent des problèmes relatifs à l'environnement. Il s'agissait de l'annonce de la création du premier refuge de faune au Canada, au lac Last Mountain, en Saskatchewan. L'esprit avant-gardiste et la prévoyance de ces efforts de conservation d'un site aussi important pour les oiseaux migrateurs, aujourd'hui bien plus aisément appreciés, sont officiellement reconnus par la déclaration de 1987 comme année marquant cent ans de conservation de la faune au Canada, sous la désignation de "Faune '87".

La Direction des ressources en eau est heureuse de se joindre au Service canadien de la faune dans la célébration de Faune '87. L'eau est un élément essentiel à la survie de toute faune, et les données sur celle-ci extrêmement nécessaires à la bonne gestion de la sauvagine et d'un grand nombre d'espèces vivant dans les terres humides.

Le thème choisi pour Faune '87, "Un nouvel essor", vise à refléter l'intérêt croissant des Canadiens pour la conservation de la faune. Des enquêtes menées récemment par le Service canadien de la faune indiquent qu'en 1981, environ 80 % des Canadiens accordaient une très grande importance à la préservation de l'abondance de la faune et qu'un pourcentage encore plus élevé s'adonnait à quelque forme d'activité reliée à la faune.

L'engagement de longue date du Service canadien de la faune à la conservation de la faune remonte à ses premiers jours comme Direction des parcs nationaux de l'ancien ministère de l'Intérieur. Le SCF est ensuite devenu partie intégrante de l'actuel ministère de l'Environnement. Jusqu'à dans les années 60, il effectuait principalement des recherches sur les populations et la gestion des oiseaux migrateurs et agissait à titre d'organisme consultatif pour les questions touchant à la faune du Canada. Le SCF s'est plus récemment doté de programmes d'information du public sur la faune, de protection des espèces menacées d'extinction et de recherche et d'acquisition de terres, pour assurer non seulement la protection des oiseaux migrateurs mais celle de toute la faune en général.

Le SCF a joué un rôle actif dans l'organisation de Faune '87 et continuera de le faire. Pendant la tenue au Canada de la Conférence internationale de RAMSAR à la fin mai début juin et de la CITES en juillet, l'attention sera attirée sur la nécessité de préserver les terres humides et les espèces menacées. Le SCF coordonnera aussi la signature d'accords de gestion et la désignation d'un certain nombre de zones de conservation en 1987. Ces activités mettront en valeur les problèmes dans le domaine de la faune et démontreront la possibilité d'y apporter des solutions coopératives. Il sera absolument essentiel pour assurer la survie de la faune au cours des cent prochaines années que les Canadiens continuent à parvenir à de telles solutions.

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PREFACE

This publication was prepared by personnel of the Water Survey of Canada Division under the direction of the Director, Water Resources Branch, Department of the Environment, Ottawa.

The basic data were collected and compiled under the supervision of the Regional Chief of the Water Resources Branch at Calgary, Alberta.

The co-operation received from provincial agencies and from other organizations is gratefully acknowledged.

PRÉFACE

La Division des relevés hydrologiques du Canada, sous l'autorité du Directeur des ressources en eau du ministère de l'Environnement (Ottawa), a préparé la présente publication.

On a recueilli et compilé les données de base sous la supervision du Chef régional de la Direction des ressources en eau, à Calgary (Alberta).

On remercie vivement les organismes provinciaux, ou autres, pour la coopération qu'ils ont apportée.

CONTENTS

	PAGE
Preface	iii
Introduction	iv
Organization and History of Hydrometric Survey Operations	iv
Co-operation and Acknowledgments	v
Equivalents of Measure	vi
Definition of Terms and Abbreviations	vii
Publication of Surface Water and Sediment Data	vii
Method of Tabulation of Surface Water Data	ix
Revisions	xi
Accuracy of Hydrometric Data	xii
Microfiche	xii
Surface Water Data, Gauging Stations in Alphabetical Order	1
Alphabetical Index	285
Station Number Index	291

INTRODUCTION

The Water Resources Branch of the Department of the Environment herein presents for the 1986 calendar year, the results of the hydrometric survey investigations which were made in Alberta by the Water Survey of Canada.

Details on individual stations and related records, as well as recent data which have not yet been published, may be obtained upon application to:

Regional Chief,
Water Resources Branch,
Department of the Environment,
Bag 2902,
Postal Station 'M',
(Room 854,
220-4th Avenue S.E.,)
Calgary, Alberta.
T2P 2M7
(403 292-5311)

or to the Director, Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0H3 (819 997-1508).

ORGANIZATION AND HISTORY OF HYDROMETRIC SURVEY OPERATIONS

During 1986, the hydrometric surveys in Alberta were conducted by the Water Survey of Canada under agreement with the Province of Alberta. The provincial authorities contributed to the cost of the basic field investigations which were carried out in accordance with mutually agreed-upon plans.

TABLE DES MATIÈRES

	PAGE
Préface	iii
Introduction	iv
Organisation et historique des relevés hydrométriques	iv
Coopération et remerciements	v
Équivalences des unités de mesure	vi
Définitions des termes et abréviations	vii
Publication des données sur les eaux de surface et les sédiments	vii
Présentation sous forme de tableaux des données sur les eaux de surface	ix
Révisions	xi
Exactitude des données hydrométriques	xii
Microfiche	xii
Données sur les eaux de surface – Stations de jaugeage énumérées dans l'ordre alphabétique	1
Index alphabétique	285
Index numérique des stations	291

INTRODUCTION

La Direction des ressources en eau du ministère de l'Environnement présente, pour l'année civile 1986, les résultats des relevés hydrométriques que la Division des relevés hydrologiques du Canada a effectués en Alberta.

En s'adressant aux endroits ci-après, on peut obtenir des renseignements supplémentaires sur certaines stations particulières et divers relevés, ainsi que des données récentes non encore publiées:

Chef régional
Direction des ressources en eau
Ministère de l'Environnement
Sac postal 2902
Succursale postale 'M'
(Pièce 854,
220, Quatrième avenue S.-E.)
Calgary (Alberta)
T2P 2M7
(403 292-5311)

ou au Directeur, Direction des ressources en eau, ministère de l'Environnement, Ottawa (Ontario), K1A 0H3 (819 997-1508).

ORGANISATION ET HISTORIQUE DES RELEVÉS HYDROMÉTRIQUES

En 1986, la Division des relevés hydrologiques du Canada a effectué des relevés hydrométriques en Alberta en vertu de l'accord conclu avec les autorités provinciales, qui ont contribué au coût des recherches de base réalisées sur le terrain, après entente mutuelle sur leur programme.

Stream measurement work was carried on between 1894 and 1908 in connection with the Canadian Irrigation Surveys. Early in 1909 the Hydrometric Survey was organized as part of the Forestry and Irrigation Branch and was conducted by the Branch until 1911. The Hydrometric Survey was then assigned to the Irrigation Branch (later the Reclamation Service) remaining in that organization until July, 1920, when it was transferred to the Dominion Water Power Branch. Following the transfer of the natural resources of Alberta to provincial control as of October 1, 1930, a co-operative agreement was arranged with the Government of Alberta for the continuance of the hydrometric survey by the federal government. Although this agreement was terminated in 1933 work was continued by the federal government under letter arrangement until 1975. A co-operative agreement, (with an implementation date of April 1, 1975), was signed with the Government of Alberta on April 15, 1975. The agreement provides that water quantity surveys will be continued by the federal government on a shared cost basis.

Entre 1894 et 1908, des relevés ont été effectués en même temps que les levés canadiens relatifs à l'irrigation. Au début de l'année 1909, un service des relevés hydrométriques a été créé au sein de la Direction des forêts et de l'irrigation, qui s'en est occupée jusqu'en 1911. L'exécution de ces relevés a ensuite été confiée à la Direction de l'irrigation (devenue plus tard le Service de la mise en valeur des terres), et ce jusqu'en juillet 1920, date à laquelle la Direction fédérale de l'énergie hydraulique en a pris charge. Après que la responsabilité des ressources naturelles de l'Alberta a passé à cette dernière, le 1er octobre 1930, un accord de coopération a été conclu avec son gouvernement, aux termes duquel le gouvernement fédéral s'est engagé à poursuivre l'exécution des relevés hydrométriques. L'accord à pris fin en 1933, mais en vertu d'une lettre d'entente, le gouvernement fédéral a continué d'exécuter les observations hydrométriques jusqu'en 1975. Le 15 avril 1975, le gouvernement de l'Alberta a signé un nouvel accord, qui est entré en vigueur le 1er avril 1975, renfermant des dispositions grâce auxquelles le gouvernement fédéral s'occupera du programme de relevés hydrométriques et partagera le coût des mesures avec la province.

CO–OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Water Survey of Canada. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Runoff and other data have been mutually exchanged and stream-gauging operations have been facilitated by the assistance received from a number of organizations.

On waters adjacent to the International Boundary, certain gauging stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable to both countries. These stations are designated as "International Gauging Stations" in this publication.

For the valuable assistance and co-operation received in obtaining hydrometric survey records, the Water Survey of Canada is indebted to the following organizations:

Federal – Department of Public Works;
Department of Agriculture, Research Branch.

Provincial – Alberta Forest Service;
Department of the Environment, Water Resources Branch, Alberta;
St. Mary-Milk River Development Commission, Alberta.

Municipal – City of Calgary, Alberta.

Private – Western Irrigation District;
Eastern Irrigation District;
United Irrigation District;
Lethbridge Northern Irrigation District;
Northern Transportation Company;
Syncrude Canada Limited;
TransAlta Utilities Corporation;
Canadian Utilities Limited;
North Western Pulp and Power Limited;
St. Mary River Irrigation District.

COOPÉRATION ET REMERCIEMENTS

Le travail entrepris en coopération avec d'autres organismes représente une partie importante des activités de la Division des relevés hydrologiques du Canada. On a maintenu une étroite collaboration avec les organismes, publics ou privés, qui s'intéressent aux ressources en eau. On a échangé des données portant sur l'écoulement ou sur d'autres points, et l'assistance fournie par beaucoup d'organismes a facilité les opérations de jaugeage.

Pour ce qui est des eaux adjacentes à la frontière internationale, certaines stations de jaugeage dépendent du Canada (ou des États-Unis) suite à un accord avec les États-Unis (ou le Canada), et les relevés sont faits et compilés de façon à satisfaire les deux pays. Ces stations sont nommées «Stations internationales de jaugeage».

La Division des relevés hydrologiques du Canada est redevable aux organismes suivants de l'aide et de la collaboration précieuses qu'ils lui ont apportées lors de la prise des relevés hydrométriques:

Niveau fédéral – Ministère des Travaux publics,
Direction de la recherche du ministère de l'Agriculture.

Niveau provincial – *Alberta Forest Service*,
Direction des ressources en eau du ministère de l'Environnement de l'Alberta,
St. Mary-Milk River Development Commission, Alberta.

Niveau municipal – Ville de Calgary, Alberta.

Secteur privé – *Western Irrigation District*,
Eastern Irrigation District,
United Irrigation District,
Lethbridge Northern Irrigation District,
Northern Transportation Company,
Syncrude Canada Limited,
TransAlta Utilities Corporation,
Canadian Utilities Limited,
North Western Pulp and Power Limited,
St. Mary River Irrigation District.

EQUIVALENTS OF MEASURE

The following list of convenient equivalents of measure includes the relationship between imperial units and the International System of Units (SI).

1 inch equals 2.54 cm (centimetres)
1 foot equals 0.3048 m (metre)
1 statute mile equals 1.6093 km (kilometres)

1 cm (centimetre) equals 0.393 70 inch
1 m (metre) equals 3.2808 feet
1 km (kilometre) equals 0.621 37 mile

1 acre equals 43 560 square feet
1 acre equals 0.404 69 ha (hectare)
1 square mile equals 640 acres
1 square mile equals 2.5900 km^2 (square kilometres)
1 square mile equals 259.0 ha (hectares)

1 ha (hectare) equals 10 000 m^2 (square metres)
1 ha (hectare) equals 2.4710 acres
1 km^2 (square kilometre) equals 0.386 10 square mile

1 cubic foot equals 6.2288 imperial gallons
1 imperial gallon equals 4.546 09 L (litres)
1 imperial gallon equals 1.2010 U.S. gallons
1 U.S. gallon equals 0.133 68 cubic foot
1 cubic foot equals 0.028 317 m^3 (cubic metre)
1 m^3 (cubic metre) equals 35.315 cubic feet
1 dam^3 (cubic decametre) equals 1000 m^3 (cubic metres)
1 dam^3 (cubic decametre) equals 1 mm (millimetre) over 1 km^2 (square kilometre)

1 cubic foot per second for one day equals 1.9835 acre-feet
1 cubic foot per second for one day covers one square mile to a depth of 0.037 19 inch
1 acre-foot equals 1.2335 dam^3 (cubic decametres)
1 m^3/s (cubic metre per second) for one day equals 86.4 dam^3 (cubic decametre)
1 m^3/s (cubic metre per second) for one day covers one square kilometre to a depth of 0.0864 m (metre)

1 foot per second equals 0.6818 mile per hour
1 mile per hour equals 1.467 feet per second
1 m/s (metre per second) equals 3.6 km/h (kilometre per hour)
1 km/h (kilometre per hour) equals 0.2778 m/s (metre per second)

1 cubic foot per second equals 0.028 317 m^3/s (cubic metre per second)
1 m^3/s (cubic metre per second) equals 35.315 cubic feet per second

1 pound equals 0.453 59 kg (kilogram)
1 kg (kilogram) equals 2.2046 pounds

1 short ton (2000 pounds) equals 0.907 18 t (tonne)
1 t (tonne) equals 2204.6 pounds

degrees Celsius = 5/9 (degrees Fahrenheit - 32)
degrees Fahrenheit = 9/5 (degrees Celsius) + 32

ÉQUIVALENCES DES UNITÉS DE MESURE

Voici une liste des unités de mesure impériales et leurs équivalences dans le Système international d'unités (SI).

1 pouce vaut 2.54 cm (centimètres)
1 pied vaut 0.3048 m (mètre)
1 mille terrestre équivaut à 1.6093 km (kilomètre)

1 cm (centimètre) équivaut à 0.393 70 pouce
1 m (mètre) équivaut à 3.2808 pieds
1 km (kilomètre) équivaut à 0.621 37 mille

1 acre vaut 43 560 pieds carrés
1 acre équivaut à 0.404 69 ha (hectare)
1 mille carré vaut 640 acres
1 mille carré équivaut à 2.5900 km^2 (kilomètres carrés)
1 mille carré équivaut à 259.0 ha (hectare)

1 ha (hectare) vaut 10 000 m^2 (mètres carrés)
1 ha (hectare) équivaut à 2.4710 acres
1 km^2 (kilomètre carré) équivaut à 0.386 10 mille arré

1 pied cube équivaut à 6.2288 gallons impérials
1 gallon impérial vaut 4.546 09 L (litres)
1 gallon impérial équivaut à 1.2010 gallon américain
1 gallon américain équivaut à 0.133 68 pied cube
1 pied cube vaut 0.028 317 m^3 (mètre cube)
1 m^3 (mètre cube) vaut 35.315 pieds cubes
1 dam^3 (décamètre cube) vaut 1000 m^3 (mètres cubes)
1 dam^3 (décamètre cube) vaut 1 mm (millimètre) qui couvre 1 km^2 (kilomètre carré)

1 pied cube par seconde pendant un jour équivaut à 1.9835 acre-pied
1 pied cube par seconde pendant un jour équivaut à un volume d'un mille carré par 0.037 19 pouce
1 acre-pied équivaut à 1.2335 dam^3 (décamètres cubes)
1 m^3/s (mètre cube par seconde) pour un jour vaut 86.4 dam^3 (décamètre cube)
1 m^3/s (mètre cube par seconde) pour un jour couvre un kilomètre carré à une profondeur de 0.0864 m (mètre)

1 pied par seconde équivaut à 0.6818 mille par heure
1 mille par heure équivaut à 1.467 pied par seconde
1 m/s (mètre par seconde) vaut 3.6 km/h (kilomètre par heure)
1 km/h (kilomètre par heure) vaut 0.2778 m/s (mètre par seconde)

1 pied cube par seconde équivaut à 0.028 317 m^3/s (mètre cube par seconde)
1 m^3/s (mètre cube par seconde) équivaut à 35.315 pieds cubes par seconde

1 livre équivaut à 0.453 59 kg (kilogramme)
1 kg (kilogramme) équivaut à 2.2046 livres

1 tonne courte (2000 livres) équivaut à 0.907 18 t (tonne)
1 t (tonne) équivaut à 2204.6 livres

degrés Celsius = 5/9 (degrés Fahrenheit - 32)
degrés Fahrenheit = 9/5 (degrés Celsius) + 32

DEFINITION OF TERMS AND ABBREVIATIONS

"Control" is the condition downstream from a gauging station that determines the stage-discharge relationship. It may be a stretch of rapids, a weir or other artificial structure. In the absence of such features, the control may be a less obvious condition such as a convergence of the channel or even simply the resistance to flow through a downstream reach. A shifting control exists where the stage-discharge relationship tends to change because of impermanent bed or banks.

"Cubic metres per second" (m^3/s) is a unit expressing rate of discharge. One cubic metre per second is equal to one cubic metre of water flowing past a particular point in one second. This is the basic unit in general use, other units being computed from it by the use of factors as given in the previous paragraph under "Equivalents of Measure".

"Gauging station" is a location where systematic records of stage or stage and discharge are obtained.

"Miscellaneous (or related) data" is all data not published in the regular series of hydrometric and sediment data publications such as unpublished water levels and the various parameters that are measured in obtaining discharge measurements, e.g. water depth, velocity, width, air and water temperatures, ice thickness. This also includes discharge measurements and water level and sediment observations obtained at locations which are not regular gauging stations. Various types of "derived" data could also be considered "miscellaneous", such as water levels and discharges at selected time intervals (usually hourly).

"Stage-discharge relationship" is the relation between the water level and the discharge at a gauging station.

PUBLICATION OF SURFACE WATER AND SEDIMENT DATA

Surface Water Data have been published in a variety of formats in imperial units since 1908 in approximately 300 publications which are now mostly out-of-print. Commencing with the 1979 publications, data are presented in the International System of Units (SI). However, the format has remained the same wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province(s) or territories covered and the year in which data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically, with two years of data per page.

DÉFINITIONS DES TERMES ET ABRÉVIATIONS

«Élément régulateur» – élément qui conditionne l'écoulement en aval d'une station de jaugeage et qui détermine la relation hauteur-débit au niveau de la station. Ce peut être une série de rapides, un déversoir ou toute autre structure artificielle. En l'absence de ces structures, l'élément régulateur peut provenir d'une condition moins apparente comme le rétrécissement d'un chenal ou simplement la résistance à l'écoulement d'un tronçon situé en aval. Il y a élément régulateur changeant quand la relation hauteur-débit tend à être modifiée par un lit ou des rives instables.

«Mètres cubes par seconde» (m^3/s) – unité du taux d'écoulement. Un mètre cube par seconde équivaut à un mètre cube d'eau s'écoulant en un point donné en une seconde. C'est l'unité de base généralement employée, les autres unités dérivées à partir de celle-ci sont données sous la rubrique «Équivalences des unités de mesure».

«Station de jaugeage» – lieu où l'on effectue des relevés systématiques de la hauteur ou de la hauteur et du débit de l'eau.

«Les données diverses (ou connexes)» – représentent toutes les données qui ne sont pas publiées dans les séries régulières des publications sur les données hydrométriques et les sédiments, par exemple celles des niveaux des eaux et des autres paramètres qui sont mesurés en même temps que le débit, soit la profondeur de l'eau, sa vitesse, son étendue, la température de l'eau et de l'air, l'épaisseur de la glace. Les mesures de débit ainsi que les observations sur les niveaux des eaux et les sédiments, obtenues à des emplacements autres que les stations régulières de jaugeage, sont aussi incluses. D'autres types de données «dérivées» pourraient aussi être classées dans cette catégorie de données «diverses», à savoir les niveaux des eaux et les débits observés à des intervalles de temps précis (en général, toutes les heures).

«Relation hauteur-débit» – relation qui existe entre la hauteur et le débit au niveau d'une station de jaugeage.

PUBLICATION DES DONNÉES SUR LES EAUX DE SURFACE ET LES SÉDIMENTS

Depuis 1908, les *Données sur les eaux de surface* ont été publiées, en utilisant diverses formules et en ayant recours au système d'unités impériales, dans quelque 300 publications lesquelles sont pour la plupart épuisées. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Toutefois, la présentation est toujours la même, c'est-à-dire que le Canada est divisé en huit régions. Chaque province représente une région distincte sauf le Nouveau-Brunswick, la Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui constituent la région des provinces de l'Atlantique, comme c'est le cas aussi pour le Yukon et les Territoires du Nord-Ouest qui sont réunis en une seule région. Les publications sont identifiées par le nom des provinces ou territoires concernés et par l'année de la cueillette des données. Les données sont publiées annuellement, en fonction de l'année civile, et les stations sont classées par ordre alphabétique, chaque page de données couvrant deux années.

The first edition of a *Surface Water Data Reference Index* was published for data to 1966 by province or region. Subsequent editions were published annually or biennially in one publication for Canada. Commencing with the 1971 publication, data are presented in the International System of Units (SI) and future editions will be published biennially. Gauging stations are listed by province or territory, in upstream to downstream order. Coloured maps showing the locations of both active and the discontinued stations were included in the first and second editions and were provided in a separate Hydrometric Map Supplement to the 1972 and the 1977 editions. The latest editions of the Reference Index and the Hydrometric Map Supplement supersede all previous editions.

La première édition de l'*Index de référence des données sur les eaux de surface* comprenait les données disponibles jusqu'en 1966, de chaque province ou région. Les éditions subséquentes étaient publiées annuellement ou tous les deux ans en une seule publication pour tout le Canada. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les deux ans. Les stations de jaugeage sont présentées par province ou territoire et placées dans l'ordre de leur position, d'amont en aval. Des cartes en couleurs, qui indiquent l'emplacement des stations hydrométriques en service, y compris celles qui ne le sont plus, ont paru dans les première et deuxième éditions ainsi que dans le *Supplément de cartes hydrométriques* de 1972 et de 1977. L'édition la plus récente de l'*Index de référence* et celle du *Supplément de cartes hydrométriques* annulent les éditions antérieures.

The first edition of a publication series titled *Historical Streamflow Summary* was produced for data to 1970. Subsequent editions have been published every three years. This publication series contains a summary of historical monthly and annual mean discharges and annual extremes for the entire period of record for all stations where streamflow data have been collected during the history of the Water Survey of Canada. Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1982 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

La première édition d'une série de publications intitulée *Sommaire chronologique de l'écoulement* renfermait les données disponibles jusqu'en 1970. Les éditions subséquentes étaient publiées tous les trois ans. Cette série de publications renferme un résumé des moyennes mensuelles et annuelles des débits ainsi que les débits extrêmes annuels pour toute la période d'enregistrement et pour toutes les stations où des données de débit sont recueillies par la Division des relevés hydrologiques du Canada. Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1982 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

The first edition of a publication series titled *Historical Water Levels Summary* was produced for data to 1976. This publication series contains a summary of historical monthly and annual mean water levels and annual extremes for the period of record for all stations on lakes or reservoirs where water level data have been collected during the history of the Water Survey of Canada. It also contains a summary of water level data for all stations on rivers where "water levels only" were collected or for certain stations on rivers where streamflow data are collected, but the historical water level information is considered to be of sufficient demand to warrant inclusion in the publication (daily water levels for stations where streamflow data are collected are not normally published in the annual Surface Water Data publications). Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1983 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

La première édition d'une série de publications intitulée *Sommaire chronologique des niveaux d'eau* comprenait les données disponibles jusqu'en 1976. Cette série de publications contient un résumé des niveaux moyens mensuels et annuels ainsi que des niveaux extrêmes annuels pour la période d'enregistrement pour toutes les stations de lacs ou de réservoirs où des données sur les niveaux d'eau sont recueillies par la Division des relevés hydrologiques du Canada. Elle renferme également un résumé des niveaux d'eau pour toutes les stations de rivières effectuant «uniquement» des relevés de niveaux d'eau ou pour certaines stations de rivières où des données de débit sont recueillies de même que des données sur les niveaux d'eau qui peuvent répondre aux besoins des utilisateurs (en général, les niveaux d'eau quotidiens de stations effectuant des relevés de débit ne sont pas publiées dans les publications annuelles des données sur les eaux de surface). Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1983 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

During the years 1948 to 1960, some sediment data were collected for several Prairie rivers to meet the needs of particular projects. The first Water Resources Paper series containing sediment data incorporated a selection of these data and also data for part of the year ending September 30, 1961, at stations established for the continuing program. The second issue was a biennial publication covering only the continuing program for the 1962 and 1963 water years. All subsequent editions titled *Sediment Data Canadian Rivers* have been published annually. The sediment data since 1978 have been presented entirely in the International System of Units (SI).

De 1948 à 1960, on a recueilli des données pour plusieurs cours d'eau des Prairies en prévision de la réalisation de certains projets. La première publication contenant des données sur les sédiments a paru dans la série intitulée *Water Resources Paper*; elle présentait un choix de ces données ainsi que des données recueillies en 1961 avant le 30 septembre à des stations établies pour la réalisation du programme permanent. La deuxième publication a porté sur les données recueillies dans le cadre du programme au cours des années hydrologiques 1962 et 1963. Par la suite, les données ont été publiées annuellement sous le titre *Données sur les sédiments - rivières canadiennes*. Depuis 1978, les données sont exprimées en unités du Système international (SI).

Commencing with 1984, the *Sediment Data* are presented and published in a new format wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island, which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province or territories covered and the year in which the data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically.

The first edition of a *Sediment Data Reference Index* was published for data to 1972. It contains a tabulation of locations in Canada where sediment data were collected by the Water Survey of Canada. The index has been subdivided alphabetically by province or territory, with sediment survey stations also listed alphabetically. Commencing with the 1978 publication, data are presented in the International System of Units (SI) and will continue to be published biennially. The latest edition supersedes all previous editions because it contains any corrections or additions since the last publication.

The first edition of a new publication series titled *Historical Sediment Data Summary for Canadian Rivers* was produced for data to 1974. This publication contains a summary of historical monthly and annual mean suspended sediment load, and annual extremes of daily suspended sediment concentration and loads and total annual suspended load. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI). This publication has been discontinued, as much of the information is now included in the new annual *Sediment Data* publication.

METHOD OF TABULATION OF SURFACE WATER DATA

For gauging stations where a systematic record of water level or discharge was obtained during the year under review, the following are given where available:

1. Table of daily water level or discharge;
2. Summary of monthly and annual data;
3. Descriptive information.

1. *The table of daily water level* or *discharge* gives the daily water level in metres or the daily discharge in cubic metres per second at the gauging station.

The following standard symbols are used opposite the daily stage or discharge to which they apply:

A – Manual Gauge – indicates that one or more manual gauge observations per day were obtained and used as the mean for the day for a gauging station equipped with a recording gauge. This symbol is used during open-water periods only.

B – Ice Conditions – indicates that for a gauging station where discharge data are obtained the presence of ice has affected the stage-discharge relationship.

E – Estimated – indicates any estimated data. It indicates that the value was determined by some indirect method such as interpolation, extrapolation, estimation from a graph of observed readings, comparison with other streams or by comparison with meteorological data.

En 1984, la présentation des données a été modifiée. Le Canada a été divisé en huit régions, une région pour chaque province, sauf le Nouveau-Brunswick, Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui, ensemble, forment la région des provinces de l'Atlantique, et les Territoires du Yukon et du Nord-Ouest, qui forment une autre région. Les publications sont nommées selon la région couverte et l'année des données (année civile). Ces publications sont annuelles. Les stations y sont présentées par ordre alphabétique.

Un *Index de référence des données sur les sédiments* est publié. La première édition portait sur les données disponibles jusqu'en 1972. Les emplacements où des données sur les sédiments ont été recueillies au Canada par la Division des relevés hydrologiques y sont présentés sous forme de tableau. L'*Index* est subdivisé selon l'ordre alphabétique par province ou territoire, et les stations de mesure des sédiments sont classées par ordre alphabétique. À partir de 1978, les données sont exprimées en unités du Système international (SI). L'*Index* est publié tous les deux ans; l'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour effectuées depuis la dernière parution.

Une autre série de publications a porté le titre *Sommaire chronologique des données sur les sédiments de rivières canadiennes*. La première édition renfermait les données disponibles jusqu'en 1974. Cette série présentait un résumé donnant les moyennes mensuelles et annuelles historiques du débit des sédiments en suspension, les valeurs annuelles extrêmes de la concentration journalière et du débit journalier des sédiments en suspension et le débit annuel total des sédiments en suspension. À partir de 1978, les données ont été présentées en unités du Système international (SI). Cette série a été abandonnée, car une bonne partie de l'information est maintenant contenue dans la nouvelle publication annuelle intitulée *Données sur les sédiments*.

PRÉSENTATION SOUS FORME DE TABLEAUX DES DONNÉES SUR LES EAUX DE SURFACE

Pour les stations de jaugeage où on a effectué, au cours de l'année étudiée, un relevé systématique du débit ou du niveau, les données suivantes sont présentées, pour autant qu'elles soient disponibles:

1. un tableau du niveau ou du débit quotidien;
2. un extrait des données mensuelles et annuelles;
3. des renseignements descriptifs.

1. *Le tableau du niveau* ou *du débit quotidien* donne la hauteur des eaux, en mètres ou le débit, en mètres cubes par seconde, mesuré à la station de jaugeage.

Les symboles normalisés donnés ci-après sont inscrits à côté des valeurs auxquelles ils se rapportent:

A – Jauge manuelle – indique qu'on a effectué à une station de jaugeage dotée d'une jauge enregistreuse au moins une observation par jour à l'aide d'une jauge manuelle et qu'on s'en est servi comme moyenne pour la journée en question. Le symbole n'est employé qu'au cours de périodes d'eau libre.

B – Glaces – indique, pour les données portant sur le débit, que la présence de glaces à la station de jaugeage a faussé la relation hauteur-débit.

E – Estimatives – indique une donnée estimative, c'est-à-dire qu'on a déterminé la valeur de façon indirecte, par exemple par interpolation, extrapolation, à l'aide de graphique, ou par comparaison avec d'autres cours d'eau ou avec des données météorologiques.

2. *A summary of monthly and annual data* is given below the table of daily data.

For stations where only water level data are obtained, both a monthly and annual summary are given.

The monthly summary gives:
(a) the mean water level in metres for complete months;
(b) the maximum and minimum daily water level in metres.

The summary for the year gives:
(a) the mean water level in metres for complete years;
(b) the maximum and minimum daily water levels and their dates of first occurrence where applicable;
(c) the maximum instantaneous water level and the time of occurrence where available.

For stations where discharge data are collected, both a monthly and annual summary are given.

The monthly summary gives:
(a) the total of the daily discharge values for complete months;
(b) the mean discharge in cubic metres per second;
(c) the total discharge in cubic decametres;
(d) the maximum and minimum daily discharges in cubic metres per second.

The summary for the year or period gives:
(a) the mean discharge in cubic metres per second;
(b) the total discharge in cubic decametres;
(c) the maximum and minimum daily discharges and their dates of first occurrence;
(d) the maximum instantaneous discharge and the time of occurrence, where available.

3. *The descriptive information* about the gauging station is also given below the table of daily data and will indicate the following where applicable:

International Gauging Stations – on waters adjacent to the international boundary, certain gauging stations have been designated as "International" and records are approved jointly. Differences between figures published herein and corresponding figures in United States Water Supply Papers are due to variations in automated data processing techniques.

Type of Gauge – refers to the installation or method used to obtain water level or discharge data:

(a) Manual – a non-recording type of gauge from which observations of stage normally are obtained once daily.
(b) Recording – a water-stage recorder from which continuous water levels are obtained on an analog chart. For most International Gauging Stations located in the United States, water level records are obtained utilizing a digital recorder.
(c) Power Plant Rating – this indicates that records were obtained using the latest available rating of the Power Plant.

2. *Un extrait des données mensuelles et annuelles* est donné au-dessous du tableau des données quotidiennes.

Les extraits mensuels et annuels sont présentés dans le cas des stations où on n'a mesuré que le niveau.

L'extrait mensuel donne:
(a) le niveau moyen en mètres pour le mois entier, et
(b) les niveaux quotidiens maximal et minimal en mètres.

L'extrait annuel donne:
(a) le niveau moyen en mètres pour l'année entière;
(b) les niveaux quotidiens maximal et minimal ainsi que les dates de leur première observation, s'il y a lieu, et
(c) le niveau maximal instantané et l'heure de l'observation, s'il y a lieu.

Les extraits mensuels et annuels sont présentés dans le cas des stations où on n'a mesuré que le débit.

L'extrait mensuel donne:
(a) le total des valeurs quotidiennes du débit, pour le mois entier;
(b) le débit moyen en mètres cubes par seconde;
(c) le débit total en décamètres cubes, et
(d) les débits quotidiens maximal et minimal en mètres cubes par seconde.

L'extrait annuel ou périodique donne:
(a) le débit moyen en mètres cubes par seconde;
(b) le débit total en décamètres cubes;
(c) les débits quotidiens maximal et minimal ainsi que les dates de première observation, s'il y a lieu, et
(d) le débit maximal instantané et l'heure de l'observation, s'il y a lieu.

3. *Les renseignements descriptifs* sur les stations de jaugeage sont également présentés sous le tableau des données quotidiennes et apportent les précisions qui suivent, s'il y a lieu:

Stations internationales de jaugeage (International Gauging Stations) – Dans les eaux contiguës aux frontières, on a désigné certaines stations comme «internationales», et les données prélevées sont approuvées par les pays concernés. Les différences entre les chiffres publiés dans la présente publication et les *United States Water Supply Papers* proviennent de variantes dans les techniques de traitement automatique des données.

Type de jauge (Type of Gauge) – Il s'agit des jauges ou des méthodes de jaugeage utilisées pour obtenir les données sur le niveau et le débit d'un cours d'eau:

(a) Manuelle (Manual) – indique qu'un appareil non enregistreur sert à obtenir une fois par jour les données sur le niveau et le débit d'un cours d'eau.
(b) Enregistreuse (Recording) – indique qu'un limnigraphe permet de mesurer de façon continue le niveau des eaux tracé sur une carte analogique. La plupart des stations internationales de jaugeage des États-Unis obtiennent les données sur le niveau des eaux à l'aide d'un enregistreur numérique.
(c) Régime des stations hydrauliques (Power Plant Rating) – indique qu'on a obtenu les données grâce aux valeurs les plus récentes des régimes mesurés dans les stations hydrauliques.

Location – the latitude and longitude co-ordinates of the location of the gauge are given. For stations where the gauge is located an appreciable distance from the discharge measurement section, these co-ordinates give the location of the discharge measurement section.

Drainage Area – this is the latest available drainage area and refers to that area enclosed by a topographic divide such that direct surface runoff from precipitation would drain by gravity into the stream upstream from the location of the station. For a gauging station on a lake, this refers to the total drainage area at the outlet of the lake.

Contributed Data – if data were supplied in their entirety by an outside agency, the name of the co-operating agency is given.

Natural Flow or *Regulated* – where the flow is known to be natural, this is indicated. The flow of water in many river systems is affected by upstream regulation. In some cases, the extent of this regulation is not known and therefore is not indicated. However, where the regulation is known to be "appreciable", this is indicated as well as the year that the regulation began, if known.

Gauge Datum – for stations where only water level data are available, the name of the datum, to which water levels are referred, is given as well as an equation to convert to another datum if applicable. Detailed information on the description of the bench marks to which water levels are referred is available from the appropriate Regional Chief.

Remarks – unusual conditions which occur at a station are explained.

REVISIONS

A number of corrections or revisions have been made to previously published data. Many of these were required because of typographical or computational errors which were exposed when daily discharges were stored on magnetic tape and monthly means were re-calculated by computer. Other errors were discovered or different interpretations of basic data were made during the systematic review of historical streamflow data presently underway, for example, these revisions may have been justified because a more reliable stage-discharge relationship had been developed.

Revisions to daily discharges or daily water levels are not published at present. However, those stations where a systematic review has been conducted are identified in the Surface Water Data Reference Index publication. The Historical Streamflow Summary publications contain revisions to monthly and annual mean discharges, and annual extremes of discharge. The Historical Water Levels Summary publications contain revisions to monthly and annual mean water levels, and annual extremes of water level. Recent revisions, corrections or additions made to the historical discharges and water levels are indicated by an "R" symbol in the summary publications. This "R" symbol is deleted from the data bank after publication of the summaries. Detailed information on revisions to historical data is available from the appropriate Regional Chief.

Emplacement (Location) – La latitude et la longitude de la station de jaugeage sont indiquées. Dans les cas où l'équipement de mesure est situé à un endroit éloigné de la section où le jaugeage est effectué, on indique les coordonnées de cette section.

Superficie du bassin versant (Drainage Area) – Il s'agit de la superficie du bassin versant déterminée d'après les cartes les plus récentes et désigne la zone délimitée par une ligne de partage des eaux de sorte que l'écoulement d'averse est entraîné par gravité vers le cours d'eau en amont de la station. S'il s'agit d'une station située sur un lac, elle représente la superficie totale jusqu'à l'émissaire du lac.

Données fournies (Contributed Data) – Nom de l'organisme extérieur qui a fourni les données.

Débit naturel ou *régularisé* (Natural Flow or Regulated) – Un débit reconnu comme naturel est indiqué comme tel. Le débit de plusieurs réseaux hydrographiques est modifié par une régularisation qui est effectuée en amont. Il arrive parfois que l'importance de cette régularisation ne soit pas connue, et elle n'est donc pas indiquée. Cependent, quand on sait que la régularisation est d'une certaine importance, on l'indique ainsi que l'année où elle a débuté (si elle est connue).

Plan de référence des jauges (Gauge Datum) – Pour les stations dans lesquelles on ne mesure que le niveau de l'eau, on indique le plan de référence de la jauge en question et l'équation permettant, au besoin, de convertir ce plan en un autre plan. En s'adressant au chef régional concerné, on peut obtenir des renseignements plus précis au sujet des niveaux de référence auxquels correspondent les niveaux mesurés.

Remarques (Remarks) – Les conditions inhabituelles qui prévalent à une station sont expliquées.

RÉVISIONS

On a corrigé ou révisé beaucoup de données déjà publiées. Il a été nécessaire d'effectuer plusieurs corrections, car on a relevé des erreurs typographiques ou de calculs lorsqu'on a enregistré les débits quotidiens sur rubans magnétiques et qu'on a recalculé à l'aide d'ordinateurs les moyennes mensuelles. On a aussi relevé d'autres erreurs ou fait des interprétations différentes de données de base au cours de la révision rétrospective systématique des données de débit qu'on est à faire en ce moment. Ainsi, on peut justifier des corrections, par le fait qu'on ait trouvé une relation hauteur-débit plus sûre.

Les corrections apportées aux débits quotidiens ou aux niveaux d'eau quotidiens ne sont pas publiées, du moins pour le moment. Cependant, les stations où on a effectué une révision systématique sont identifiées dans l'*Index de référence des données sur les eaux de surface*. Les publications intitulées *Sommaire chronologique de l'écoulement* contiennent des données sur les moyennes mensuelles et annuelles des débits et sur les extrêmes annuels des débits qu'on a révisées. Les publications intitulées *Sommaire chronologique des niveaux d'eau* renferment les révisions apportées aux niveaux moyens mensuels et annuels ainsi que les extrêmes annuels. Les révisions et corrections apportées récemment aux débits chronologiques et aux niveaux d'eau sont accompagnées du symbole «R» dans les publications sommaires. Ce symbole «R» est omis de la banque de données après la publication des sommaires. On peut obtenir plus de détails sur les révisions en s'adressant au chef régional concerné.

ACCURACY OF HYDROMETRIC DATA

The overall accuracy or the degree of reliability of hydrometric data referred to herein, depends upon

(1) The type of gauge, stability of gauge, accuracy of observation of stage and measurement of reference datum,

(2) The stability of the stage-discharge relationship; or if the control is unstable, the frequency and accuracy of discharge measurements, and

(3) The computation procedures and interpretation of records.

Because of all these variable factors, the number of significant figures used herein has been standardized for uniformity of presentation and does not reflect the degree of accuracy of the data. The Water Resources Branch standard for storing water level data is to three decimal points (0.001 m), although some contributing agencies provide data to two decimal points (0.01 m).

A measure of the reliability of the records can be made by an examination of the distribution of the symbols A, E and B (for discharge data).

In general, data collected during open-water periods are more reliable than those collected during periods of ice conditions or those obtained by estimation. Further, water level data collected utilizing a water-stage recorder are more reliable and accurate than those using a manual gauge only, especially for small or flashy streams.

MICROFICHE

All published daily discharge, water level and sediment data are available in metric units on microfiche, upon request. The data are stored in station number order by province. There are 270 frames per microfiche at 48X reduction; there is a visible heading showing the fiche number, type of data, province, beginning and ending station number and year of data, and the month/year the fiche was created. The last frame is an index of the contents of that fiche.

EXACTITUDE DES DONNÉES HYDROMÉTRIQUES

La précision totale ou le degré d'exactitude des données hydrométriques dont on parle ici sont basés sur

(1) Le type de jauge la stabilité de la gauge, la précision des observations sur les niveaux et de la mesure de la donnée de référence,

(2) La stabilité de la relation hauteur-débit ou, si l'élément régulateur est changeant, sur la fréquence et la précision des mesures de débits, et

(3) L'évaluation des procédés et l'interprétation des chiffres.

À cause de toutes les variables déjà mentionnées, on a normalisé pour des fins d'uniformité de présentation le nombre de chiffres significatifs, mais ceci ne réflète pas le degré d'exactitude des données. Dans la Direction des ressources en eau, les normes de cueillette des données sur le niveau des eaux sont de l'ordre de trois décimales (0.001 m), alors que certains organismes dans ce domaine n'exigent que deux décimales (0.01 m).

L'exactitude des données peut être appréciée par l'examen de la répartition des symboles A, E et B (pour les données de débits).

En général, les données recueillies au cours des périodes d'eau libre sont plus sûres que celles qui sont obtenues au cours des périodes de glaces ou par estimation. De plus, les données sur le niveau des eaux qui sont mesurées à l'aide d'un limnigraphe sont plus certaines et plus exactes que celles qui sont mesurées à l'aide d'une jauge manuelle seulement, surtout dans le cas de petits cours d'eau ou de cours d'eau à crues très rapides.

MICROFICHE

Toutes les données publiées concernant les débits quotidiens, les niveaux d'eau et les sédiments sont disponibles sur microfiche en unités métriques aux usagers qui en font la demande. Ces données sont emmagasinées par ordre de numéro de station et par province. Chaque microfiche renferme 270 pages réduites de 48X. L'en-tête indique le numéro de la fiche, le genre de données, la province, le numéro de la première et de la dernière station, celui de la première et de la dernière année de cueillette ainsi que le mois et l'année de préparation de la fiche. La dernière image donne l'index du contenu de la fiche.

ADAMS CREEK NEAR KINUSO - STATION NO. 07BJ004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0618	0.6348	3.26	1.11	0.394	1.68	0.218	1.78	---	---	1
2	---	---	0.0588	0.5289	3.43	0.924	0.336	1.36	0.333	1.67	---	---	2
3	---	---	0.0558	0.5788	3.43	0.768	0.283	8.77	0.477	1.37	---	---	3
4	---	---	0.0580	0.6019	3.62	0.726	0.647	20.0	0.384	1.78	---	---	4
5	---	---	0.0998	2.01 E	3.86	0.699	3.77	6.58	0.293	1.86	---	---	5
6	---	---	0.0908	2.58 E	4.02	0.665	3.16	3.57	0.262	1.53	---	---	6
7	---	---	0.0888	3.00 E	4.25	0.650	1.48	2.35	0.231	1.56	---	---	7
8	---	---	0.0888	3.05 E	4.79	0.588	1.09	1.78	0.213	1.51	---	---	8
9	---	---	0.0838	4.75 E	4.64	0.609	0.915	1.47	0.195	1.34	---	---	9
10	---	---	0.0708	3.40 E	4.38	0.386	0.695	1.23	0.189	1.15	---	---	10
11	---	---	0.0578	1.51 E	4.37	0.695	0.978	1.00	0.588	1.04	---	---	11
12	---	---	0.0608	1.35 E	3.62	1.27	1.60	0.841	0.528	0.936	---	---	12
13	---	---	0.0538	1.10 E	3.43	0.986	1.64	0.736	0.462	0.880	---	---	13
14	---	---	0.0470	1.22	4.05	0.774	3.31	0.611	0.392	0.801	---	---	14
15	---	---	0.0478	1.01	3.68	0.918	22.7	0.534	0.347	0.734	---	---	15
16	---	---	0.0528	1.08	3.91	0.529	15.5	0.895	0.335	0.694	---	---	16
17	---	---	0.0438	1.72	3.79	0.451	10.4	0.802	0.339	0.662	---	---	17
18	---	---	0.0369	2.22	3.81	0.588	60.9	0.616	0.303	0.623	---	---	18
19	---	---	0.0409	3.56	3.72	4.21	14.6	0.514	0.280	0.588	---	---	19
20	---	---	0.0538	4.37	3.62	4.98	7.02	0.473	0.254	0.553	---	---	20
21	---	---	0.1128	5.59	3.81	2.75	4.08	0.425	0.238	0.529	---	---	21
22	---	---	0.1268	3.82	12.0	1.93	2.89	0.379	0.227	0.500	---	---	22
23	---	---	0.0648	2.63	10.0	1.47	2.73	0.335	0.222	0.476	---	---	23
24	---	---	0.0808	2.11	6.53	1.23	3.01	0.356	0.231	0.462	---	---	24
25	---	---	0.0718	1.97	4.31	0.972	2.27	0.312	0.228	0.444	---	---	25
26	---	---	0.1258	2.57	3.30	0.849	1.83	0.271	0.310	0.475	---	---	26
27	---	0.0548	0.1498	3.75	2.55	0.806	1.99	0.252	1.42	0.451	---	---	27
28	---	0.0678	0.1488	4.00	2.13	0.636	2.19	0.239	2.81	0.451	---	---	28
29	---		0.1238	4.18	1.79	0.552	2.00	0.235	2.27	0.463	---	---	29
30	---		0.4888	2.91	1.62	0.459	1.86	0.252	1.96	0.4358	---	---	30
31	---		0.6188		1.37		2.03	0.212		0.4008		---	31
TOTAL	---	---	3.340	72.989	130.29	32.847	164.198	59.080	16.841	28.077	---	---	TOTAL
MEAN	---	---	0.108	2.43	3.68	1.09	5.30	1.91	0.585	0.906	---	---	MEAN
MAX	---	---	0.618	5.59	12.0	4.98	60.9	20.0	2.81	1.86	---	---	MAX
MIN	---	---	0.036	0.978	1.37	0.386	0.283	0.212	0.195	0.400	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.03
MAXIMUM DAILY, 60.9 ON JUL 18
MINIMUM DAILY, 0.0288 ON MAR 18
MAXIMUM INSTANTANEOUS,
61.8 AT 04:00 MST ON JUL 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 13 05 N
LONG 115 20 03 W
DRAINAGE AREA, 138 km²

E - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	14 200
FEB	---	AUG	5 100
MAR	289	SEP	1 640
APR	6 310	OCT	2 430
MAY	10 600	NOV	---
JUN	2 840	DEC	---

TOTAL DISCHARGE, 43 000 dam³

AETNA CREEK AT HIGHWAY NO. 901 - STATION NO. 05AE912

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	0.402	0.190	0.245	0.345	0.211	---	---	1
2	---	---	---	---	---	0.402	0.147	0.298	0.298	0.183	---	---	2
3	---	---	---	---	---	0.333	0.231	0.260	0.270	0.153	---	---	3
4	---	---	---	---	---	0.304	0.274	0.183	0.328	0.120	---	---	4
5	---	---	---	---	---	0.361	0.139	0.207	0.336	0.117	---	---	5
6	---	---	---	---	---	0.514	0.092	0.184	0.267	0.143	---	---	6
7	---	---	---	---	---	0.458	0.067	0.108	0.227	0.149	---	---	7
8	---	---	---	---	---	0.324	0.092	0.107	0.236	0.202	---	---	8
9	---	---	---	---	---	0.318	0.078	0.142	0.300	0.180	---	---	9
10	---	---	---	---	---	0.278	0.064	0.146	0.223	0.196	---	---	10
11	---	---	---	---	---	0.308	0.036	0.089	0.174	0.170	---	---	11
12	---	---	---	---	---	0.338	0.054	0.048	0.149	0.183	---	---	12
13	---	---	---	---	0.0204	0.345	0.001	0.190	0.159	0.154	---	---	13
14	---	---	---	---	0.003	0.306	0	0.078	0.189	0.140	---	---	14
15	---	---	---	---	0.024	0.327	0.026	0.077	0.189	0.118	---	---	15
16	---	---	---	---	0.083	0.296	0.168	0.090	0.187	0.072	---	---	16
17	---	---	---	---	0.090	0.193	0.197	0.094	0.189	0	---	---	17
18	---	---	---	---	0.057	0.237	0.184	0.023	0.208	0	---	---	18
19	---	---	---	---	0.034	0.320	0.178	0	0.231	0	---	---	19
20	---	---	---	---	0.021	0.279	0.182	0.020	0.215	0	---	---	20
21	---	---	---	---	0.019	0.284	0.111	0.140	0.197	0	---	---	21
22	---	---	---	---	0.013	0.268	0.141	0.193	0.052	0	---	---	22
23	---	---	---	---	0.014	0.409	0.304	0.233	0	0	---	---	23
24	---	---	---	---	0.008	0.383	0.334	0.273	0	0	---	---	24
25	---	---	---	---	0.005	0.419	0.332	0.351	0.084	0	---	---	25
26	---	---	---	---	0.001	0.243	0.305	0.276	0.202	0	---	---	26
27	---	---	---	---	0	0.183	0.323	0.277	0.145	0	---	---	27
28	---	---	---	---	0.134	0.197	0.196	0.258	0.105	0	---	---	28
29	---		---	---	0.383	0.228	0.279	0.259	0.125	0	---	---	29
30	---		---	---	0.401	0.237	0.267	0.266	0.147	0	---	---	30
31	---		---		0.439		0.228	0.310		0		---	31
TOTAL	---	---	---	---	---	9.859	5.093	5.401	5.776	2.431	---	---	TOTAL
MEAN	---	---	---	---	---	0.332	0.183	0.174	0.193	0.078	---	---	MEAN
MAX	---	---	---	---	---	0.514	0.386	0.351	0.345	0.211	---	---	MAX
MIN	---	---	---	---	---	0.183	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.514 ON JUN 6
MINIMUM DAILY, 0 ON MAY 27
MAXIMUM INSTANTANEOUS,
1.01 AT 22:10 MST ON JUN 6

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 04 00 N
LONG 115 15 00 W
DRAINAGE AREA, 33.6 km²

E - MANUAL GAUGE

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	437
FEB	---	AUG	487
MAR	---	SEP	498
APR	---	OCT	210
MAY	---	NOV	---
JUN	836	DEC	---

ALBERTA POWER LIMITED COOLING POND OUTLET - STATION NO. 05CG007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0.088	0.813	0.222	0	1.46	---	---	1
2	---	---	0	0	0	0.099	0.805	0.222	0	1.47	---	---	2
3	---	---	0	0	0	0.104	0.788	0.216	0.702A	0.926	---	---	3
4	---	---	0	0	0	0.107	0.788	0.216	1.22	0.011	---	---	4
5	---	---	0A	0	0	0.112	0.785	0.223	1.21	0	---	---	5
6	---	---	0	0	0	0.113	0.768	0.226	1.21	0	---	---	6
7	---	---	0	0	0	0.120	0.773	0.224	1.21	0	---	---	7
8	---	---	0	0	0.664A	0.123	0.779	0.222	1.22	0	---	---	8
9	---	---	0	0	0.637A	0.058A	0.782	0.226	1.22	0	---	---	9
10	---	---	0	0	0	0	0.783	0.228	1.21	0	---	---	10
11	---	---	0	0	0	0	0.784	0.228	1.21	0	---	---	11
12	---	---	0	0	0	0	0.780	0.223	1.19	0	---	---	12
13	---	---	0	0	0	0	0.768	0.234	1.18	0	---	---	13
14	---	---	0	0	0	0	0.771	0.111	1.18	0	---	---	14
15	---	---	0	0	0	0	0.777	0.014	1.18	0 A	---	---	15
16	---	---	0	0	0	0.313A	0.778	0.015	1.17	0	---	---	16
17	---	---	0	0	0	0.509	0.774	0.013	0.798	0	---	---	17
18	---	---	0	0	0	0.503	0.770	0.012	0.084	0	---	---	18
19	---	---	0	0	0	0.709	0.764	0.011	0.185	0	---	---	19
20	---	---	0	0	0	0.824	0.767	0	0.214	0	---	---	20
21	---	---	0	0	0	0.818	0.785	0	0.214	0	---	---	21
22	---	---	0	0	0	0.814	0.316	0	0.212	0	---	---	22
23	---	---	0	0	0.080A	0.818	0.055	0	0.200	0	---	---	23
24	---	---	0	0	0.127	0.819	0.144	0	0.204	0	---	---	24
25	---	---	0	0	0.128	0.817	0.226	0	0.576	0	---	---	25
26	---	---	0	0	0.100	0.821	0.227	0	1.41	0	---	---	26
27	---	---	0	0	0.105	0.821	0.227	0	1.53	0	---	---	27
28	---	---	0	0	0.100	0.822	0.226	0	1.52	0	---	---	28
29	---		0	0	0.088	0.826	0.222	0	1.51	0	---	---	29
30	---		0	0	0.094	0.824	0.216	0	1.50	0	---	---	30
31	---		0		0.100		0.221	0		0		---	31
TOTAL	---	---	0	0	2.224	11.890	18.424	3.088	26.457	3.887	---	---	TOTAL
MEAN	---	---	0	0	0.072	0.400	0.594	0.100	0.882	0.125	---	---	MEAN
MAX	---	---	0	0	0.664	0.826	0.813	0.234	1.53	1.48	---	---	MAX
MIN	---	---	0	0	0	0	0.055	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.270
MAXIMUM DAILY, 1.53 ON SEP 27
MINIMUM DAILY, 0 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT N
LONG W

A - MANUAL GAUGE

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 590
FEB	---	AUG	268
MAR	0	SEP	2 290
APR	0	OCT	326
MAY	192	NOV	---
JUN	1 040	DEC	---

TOTAL DISCHARGE, 5 720 dam³

ALKALI CREEK NEAR THE MOUTH - STATION NO. 05CK005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.010	0.005	0.005	0	0.001	0	0	0.006	0.004	---	1
2	---	---	0.008	0.005	0.004	0	0	0	0	0.006	0.004	---	2
3	---	---	0.007	0.005	0.004	0	0	0	0	0.006	0.004	---	3
4	---	---	0.007	0.005	0.004	0	0	0	0	0.006	0.004A	---	4
5	---	---	0.006	0.005	0.005	0	0	0	0	0.006	---	---	5
6	---	---	0.014	0.005	0.010	0	0	0	0	0.005	---	---	6
7	---	---	0.011B	0.005	0.009	0	0	0	0	0.005	---	---	7
8	---	---	0.0098	0.005	0.007	0	0	0	0	0.005	---	---	8
9	---	---	0.0058	0.005	0.007	0	0	0	0	0.005	---	---	9
10	---	---	0.003B	0.005	0.007	0	0	0	0	0.004	---	---	10
11	---	---	0.005	0.005	0.007	0	0	0	0	0.004	---	---	11
12	---	---	0.007	0.005	0.007	0	0	0	0	0.004	---	---	12
13	---	---	0.006	0.005	0.006	0	0	0	0	0.004	---	---	13
14	---	---	0.009	0.005	0.006	0	0	0	0	0.003	---	---	14
15	---	---	0.008	0.005	0.007	0	0	0	0	0.003	---	---	15
16	---	---	0.007	0.004	0.007	0	0	0	0	0.003	---	---	16
17	---	---	0.007	0.004	0.008	0	0	0	0	0.003	---	---	17
18	---	0 B	0.007	0.004	0.007	0.032	0	0	0	0.003	---	---	18
19	---	0 B	0.006	0.004	0.005	0.038	0	0	0	0.003	---	---	19
20	---	0 B	0.007	0.003	0.003	0.007	0	0	0	0.003	---	---	20
21	---	0 B	0.009	0.003	0.002	0.002	0	0	0	0.003	---	---	21
22	---	0 B	0.010	0.004	0.003	0	0	0	0	0.003	---	---	22
23	---	0 B	0.007	0.006	0.005	0	0	0	0	0.003	---	---	23
24	---	0 B	0.007	0.006	0.006	0	0	0	0	0.004	---	---	24
25	---	0.543B	0.006	0.005	0.005	0	0	0	0.002	0.004	---	---	25
26	---	0.098B	0.005	0.05	0.003	0	0	0	0.018	0.004	---	---	26
27	---	0.025	0.005	0.006	0.001	0	0	0	0.015	0.004	---	---	27
28	---	0.018	0.006	0.007	0	0	0	0	0.008	0.003	---	---	28
29	---		0.006	0.007	0	0	0	0	0.006	0.004	---	---	29
30	---		0.006	0.008	0	0.003	0	0	0.007	0.004	---	---	30
31	---		0.008		0		0	0		0.004		---	31
TOTAL	---	---	0.221	0.150	0.153	0.083	0.001	0	0.080	0.127	---	---	TOTAL
MEAN	---	---	0.007	0.005	0.005	0.003	0	0	0.002	0.004	---	---	MEAN
MAX	---	---	0.014	0.007	0.010	0.038	0.001	0	0.018	0.006	---	---	MAX
MIN	---	---	0.003	0.003	0	0	0	0	0	0.003	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.003
MAXIMUM DAILY, 0.038 ON JUN 19
MINIMUM DAILY, 0 ON MAY 28
MAXIMUM INSTANTANEOUS,
1.008 AT 07:35 MST ON FEB 25

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 53 54 N
LONG 110 30 30 W
DRAINAGE AREA, 590 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.09
FEB	---	AUG	0
MAR	19.1	SEP	5.18
APR	13.0	OCT	11.0
MAY	13.2	NOV	---
JUN	7.17	DEC	---

TOTAL DISCHARGE, 68.7 dam³

AMISK CREEK NEAR SNOWYS - STATION NO. 05EB010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	5.10 B	1.03	0.002	0.171	0.003	0.003	0.001	0	---	---	1
2	---	---	5.40 B	0.803	0.001	0.062	0.002	0.002	0.001	0	---	---	2
3	---	---	5.60 B	0.636	0.001	0.031	0.003	0.001	0.001	0	---	---	3
4	---	---	5.60 B	0.507	0	0.024	0.004	0.003	0.001	0	---	---	4
5	---	---	5.51 B	0.404	0	0.024	0.005	0.005	0	0	---	---	5
6	---	---	3.15 B	0.342	0	0.021	0.006	0.018	0	0	---	---	6
7	---	---	3.54 B	0.282	0	0.018	0.003	0.020	0	0	---	---	7
8	---	---	2.80 B	0.207	0	0.014	0.002	0.020	0	0	---	---	8
9	---	---	2.58 B	0.151	0	0.010	0.002	0.019	0	0	---	---	9
10	---	---	1.37 B	0.099	0	0.007	0.005	0.018	0	0	---	---	10
11	---	---	0.7888	0.073	0.001	0.007	0.025	0.018	0	0	---	---	11
12	---	---	0.4088	0.039	0.003	0.008	0.033	0.013	0	0	---	---	12
13	---	---	0.2918	0.026	0.005	0.006	0.030	0.010	0	0	---	---	13
14	---	---	0.2508	0.021	0.034	0.005	0.025	0.008	0	0	---	---	14
15	---	---	0.2928	0.089	0.050	0.007	0.019	0.006	0	0	---	---	15
16	---	---	1.74 B	0.089	0.138	0.009	0.013	0.005	0	0	---	---	16
17	---	---	2.44 B	0.082	0.345	0.009	0.036	0.008	0	0	---	---	17
18	---	---	2.67 B	0.107	0.489	0.008	0.048	0.005	0	0	---	---	18
19	---	---	2.93 B	0.059	0.883	0.013	0.045	0.005	0	0	---	---	19
20	---	---	3.40 B	0.029	0.768	0.018	0.039	0.005	0	0	---	---	20
21	---	---	3.10 B	0.003	0.785	0.015	0.032	0.004	0	0	---	---	21
22	---	---	2.30 B	0.002	0.547	0.010	0.024	0.004	0	0	---	---	22
23	---	---	3.40 B	0.002	0.349	0.007	0.020	0.004	0	0	---	---	23
24	---	---	1.10 B	0.004	0.288	0.004	0.019	0.003	0	0	---	---	24
25	---	---	1.89 B	0.005	0.229	0.008	0.014	0.003	0	0	---	---	25
26	---	---	1.20	0.006	0.173	0.014	0.010	0.003	0	0	---	---	26
27	---	---	1.26	0.007	0.138	0.011	0.015	0.003	0	0	---	---	27
28	---	---	1.85	0.007	0.143	0.007	0.019	0.002	0	0A	---	---	28
29	---		2.25	0.006	0.152	0.005	0.016	0.002	0	0E	---	---	29
30	---		1.78	0.003	0.148	0.004	0.012	0.002	0	0E	---	---	30
31	---		1.34		0.157		0.008	0.002		0E		---	31
TOTAL	---	---	78.968	5.044	5.855	0.553	0.541	0.219	0.004	0	---	---	TOTAL
MEAN	---	---	2.48	0.168	0.188	0.018	0.017	0.007	0	0	---	---	MEAN
MAX	---	---	5.60	1.03	0.883	0.171	0.048	0.020	0.001	0	---	---	MAX
MIN	---	---	0.260	0.002	0	0.004	0.002	0.001	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.364
MAXIMUM DAILY, 5.60B ON MAR 3
MINIMUM DAILY, 0 ON MAY 4

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 16 35 N
LONG 112 33 10 W
DRAINAGE AREA, 377 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	48.7
FEB	---	AUG	18.9
MAR	6 650	SEP	0.35
APR	436	OCT	0
MAY	505	NOV	---
JUN	47.8	DEC	---

TOTAL DISCHARGE, 7 710 dam³

AMISK RIVER AT HIGHWAY NO. 36 - STATION NO. 05AA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0128	4.66 B	0.810	1.12	0.120	11.4	0.685	0.327	0.3518	---	1
2	---	---	0.0128	4.29 B	0.673	1.06	0.117	10.2	0.618	0.349	0.3718	---	2
3	---	---	0.0128	3.42 B	0.873	1.15	0.130	9.23	0.536	0.334	0.4218	---	3
4	---	---	0.0128	3.26 B	0.788	1.13	0.173	8.49	0.524	0.307	---	---	4
5	---	---	0.0108	3.10 B	0.818	1.02	0.151	7.85	0.452	0.293	---	---	5
6	---	---	0.0108	2.90 B	0.880	0.931	0.135	6.83	0.278	0.290	---	---	6
7	---	---	0.0108	2.85 B	0.854	0.928	0.142	6.29	0.170	0.289	---	---	7
8	---	---	0.0108	2.40 B	0.795	0.932	0.218	5.68	0.152	0.314	---	---	8
9	---	---	0.0108	2.20 B	0.754	0.789	0.323	5.22	0.120	0.350	---	---	9
10	---	---	0.0108	2.10 B	0.656	0.668	0.442	4.78	0.095	0.305	---	---	10
11	---	---	0.0108	1.40 B	0.674	0.783	0.551	4.40	0.302	0.241	---	---	11
12	---	---	0.0108	1.30 B	0.845	0.780	0.631	4.02	0.314	0.251	---	---	12
13	---	---	0.0108	1.26 B	0.842	0.903	0.823	3.67	0.262	0.280	---	---	13
14	---	---	0.0108	1.23 B	0.802	0.824	1.33	3.35	0.175	0.233	---	---	14
15	---	---	0.0108	1.24 B	0.787	0.418	1.88	3.03	0.137	0.191	---	---	15
16	---	---	0.0108	1.26 E	0.880	0.245	2.43	2.86	0.167	0.184	---	---	16
17	---	---	0.0108	1.29	0.820	0.218	4.16	2.62	0.208	0.188	---	---	17
18	---	---	0.0108	1.31	0.859	0.193	12.2	2.37	0.239	0.181	---	---	18
19	---	---	0.0108	1.38	0.554	0.138	15.6	2.12	0.259	0.146	---	---	19
20	---	---	0.0128	1.25	0.495	0.122	16.9	1.02	0.284	0.147	---	---	20
21	---	---	0.0158	1.30	0.484	0.125	17.5	1.77	0.284	0.183	---	---	21
22	---	---	0.0208	1.20	0.478	0.127	19.1	1.88	0.285	0.191	---	---	22
23	---	---	0.0208	1.20	0.624	0.132	20.3	1.52	0.249	0.173	---	---	23
24	---	---	0.0208	1.21	0.755	0.178	20.8	1.40	0.280	0.187	---	---	24
25	---	---	0.0208	1.13	0.897	0.234	20.3	1.32	0.324	0.301	---	---	25
26	---	---	0.6308	0.877	0.706	0.157	19.5	1.23	0.357	0.248	---	---	26
27	---	---	0.8008	0.742	0.753	0.121	18.2	1.19	0.420	0.258	---	---	27
28	---	0.0128	1.02 B	0.670	0.858	0.130	16.8	1.10	0.436	0.250	---	---	28
29	---		1.23 B	0.572	0.815	0.120	15.7	1.03	0.373	0.3028	---	---	29
30	---		0.8898	0.788	0.498	0.117	14.2	0.930	0.323	0.3458	---	---	30
31	---		1.33 B		0.824		12.8	0.840		0.3508		---	31
TOTAL	---	---	8.214	53.817	22.833	15.780	253.592	120.140	8.272	7.811	---	---	TOTAL
MEAN	---	---	0.200	1.79	0.730	0.525	8.18	3.88	0.309	0.252	---	---	MEAN
MAX	---	---	1.33	4.66	0.919	1.15	20.8	11.4	0.685	0.350	---	---	MAX
MIN	---	---	0.010	0.572	0.476	0.117	0.117	0.840	0.095	0.146	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.00
MAXIMUM DAILY, 20.8 ON JUL 24
MINIMUM DAILY, 0.0108 ON MAR 5
MAXIMUM INSTANTANEOUS,
20.9 AT 12:38 MST ON JUL 24

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 28 20 N
LONG 112 01 00 W
DRAINAGE AREA, 2 510 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	21 500
FEB	---	AUG	10 400
MAR	637	SEP	801
APR	4 630	OCT	575
MAY	1 980	NOV	---
JUN	1 360	DEC	---

TOTAL DISCHARGE, 42 300 dam³

ANTELOPE COULEE SPILLWAY - STATION NO. 05BN010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.380	0.224	0.276	0.438	0.360	0.259	0.003	---	1
2	---	---	---	---	0.348	0.407	0.277	0.439	0.362	0.204	0.004	---	2
3	---	---	---	---	0.349	0.518	0.276	0.435	0.375	0.252	0.004A	---	3
4	---	---	---	---	0.387	0.219	0.278	0.446	0.376	0.161	---	---	4
5	---	---	---	---	0.364	0.212	0.269	0.462	0.363	0.044	---	---	5
6	---	---	---	---	0.328	0.236	0.270	0.457	0.350	0.012	---	---	6
7	---	---	---	---	0.326	0.221	0.272	0.452	0.349	0.005	---	---	7
8	---	---	---	---	0.523	0.248	0.260	0.463	0.348A	0.003	---	---	8
9	---	---	---	---	0.327	0.241	0.319	0.454	0.333E	0.003	---	---	9
10	---	---	---	---	0.302	0.234	0.347	0.460	0.331E	0.002	---	---	10
11	---	---	---	---	0.288	0.241	0.356	0.452	0.329E	0.005A	---	---	11
12	---	---	---	---	0.271	0.235	0.359	0.467	0.325E	0.005	---	---	12
13	---	---	---	---	0.263	0.244	0.369	0.468	0.322E	0.004	---	---	13
14	---	---	---	---	0.304	0.239	0.367	0.458	0.318E	0.003A	---	---	14
15	---	---	---	---	0.198	0.250	0.368	0.475	0.314E	0.003E	---	---	15
16	---	---	---	---	0.183	0.246	0.384	0.481	0.306A	0.003E	---	---	16
17	---	---	---	---	0.183	0.245	0.405	0.440	0.322	0.003E	---	---	17
18	---	---	---	---	0.188	0.255	0.431	0.421	0.316	0.003A	---	---	18
19	---	---	---	---	0.185	0.286	0.424	0.424	0.312	0.004	---	---	19
20	---	---	---	---	0.187	0.267	0.415	0.415	0.309	0.003	---	---	20
21	---	---	---	0.092A	0.146	0.264	0.389	0.420	0.309	0.003	---	---	21
22	---	---	---	0.090	0.114	0.256	0.394	0.408	0.302	0.003	---	---	22
23	---	---	---	0.138	0.115	0.267	0.414	0.411	0.292	0.003	---	---	23
24	---	---	---	0.498	0.090	0.278	0.431	0.404	0.281	0.003	---	---	24
25	---	---	---	0.511	0.088	0.658	0.480	0.396	0.803	0.003	---	---	25
26	---	---	---	0.511	0.088	0.303	0.457	0.393	0.683	0.003	---	---	26
27	---	---	---	0.511	0.092	0.287	0.480	0.393	0.282	0.003	---	---	27
28	---	---	---	0.506	0.158	0.260	0.458	0.387	0.238	0.003	---	---	28
29	---		---	0.403	0.208	0.278	0.460	0.386	0.233	0.003	---	---	29
30	---		---	0.378	0.728	0.290	0.440	0.385	0.244	0.002	---	---	30
31	---		---		0.220		0.429	0.385		0.003		---	31
TOTAL	---	---	---	---	7.774	8.381	11.544	13.345	10.359	1.114	---	---	TOTAL
MEAN	---	---	---	---	0.251	0.280	0.372	0.430	0.345	0.036	---	---	MEAN
MAX	---	---	---	---	0.729	0.658	0.480	0.475	0.803	0.304	---	---	MAX
MIN	---	---	---	---	0.088	0.212	0.269	0.385	0.233	0.002	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.286
MAXIMUM DAILY, 0.803 ON SEP 25
MINIMUM DAILY, 0.002 ON OCT 10

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 27 20 N
LONG 112 05 40 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	997
FEB	---	AUG	1 150
MAR	---	SEP	895
APR	---	OCT	95.2
MAY	672	NOV	---
JUN	725	DEC	---

TOTAL DISCHARGE, 4 540 dam³

ATHABASCA RIVER ABOVE JACKFISH CREEK - STATION NO. 07DD001

DAILY WATER LEVEL IN METRES FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	209.498	209.486	---	---	210.853	210.310	210.384	211.711	210.029	209.589	---	209.606	1
2	209.498	209.484	---	---	210.835	210.316	210.342	211.624	210.042	209.609	---	209.621	2
3	209.498	209.483	---	209.718	210.719	210.361	210.339	211.539	210.103	209.582	---	209.627	3
4	209.501	209.487	---	209.745	210.384	210.523	210.455	211.447	210.067	209.586	---	209.628	4
5	209.495	209.485	---	209.784	210.185	210.619	210.403	211.354	209.997	209.595	---	209.629	5
6	209.491	209.482	---	209.817	210.161	210.681	210.301	211.275	209.972	209.578	---	209.642	6
7	209.490	209.487	---	209.823	210.187	210.689	210.287	211.205	210.031	209.921	---	209.665	7
8	209.488	209.483	---	209.831	210.130	210.698	210.298	211.185	210.037	209.939	---	209.678	8
9	---	209.470	---	209.862	210.088	210.722	210.322	211.057	210.048	210.006	---	209.674	9
10	---	209.477	---	209.938	210.078	210.697	210.334	210.986	210.119	210.033	---	209.677	10
11	---	209.482	---	209.890	210.058	210.626	210.345	210.962	210.055	209.947	---	209.688	11
12	---	209.489	---	210.029	210.074	210.677	210.372	210.888	209.982	209.984	---	209.867	12
13	---	209.486	209.548	210.059	210.125	210.805	210.382	210.829	209.854	209.883	209.418	209.852	13
14	---	209.490	---	210.077	210.155	210.680	210.388	210.752	209.855	209.975	---	209.848	14
15	---	209.479	---	210.088	210.172	210.484	210.451	210.752	209.815	209.981	---	209.826	15
16	209.438	209.486	---	210.114	210.178	210.420	210.470	210.882	209.899	209.987	---	209.828	16
17	209.433	209.489	---	210.155	210.181	210.379	210.487	210.637	209.893	209.994	---	209.826	17
18	209.438	209.492	---	210.212	210.188	210.366	210.553	210.578	209.821	209.994	209.328	209.824	18
19	209.438	209.478	---	210.269	210.156	210.388	210.574	210.541	209.820	209.882	209.314	209.812	19
20	209.432	209.473	---	210.321	210.129	210.323	210.632	210.486	209.840	209.991	209.306	209.811	20
21	209.432	209.478	---	210.342	210.088	210.370	210.787	210.471	209.787	---	209.287	209.810	21
22	209.443	209.476	---	210.383	210.085	210.377	211.035	210.404	209.827	---	209.271	209.821	22
23	209.448	209.478	---	210.478	210.048	210.410	211.282	210.384	209.838	---	209.266	209.834	23
24	209.445	209.480	---	210.536	210.053	210.439	211.380	210.384	209.818	---	209.270	209.835	24
25	209.458	209.474	---	210.562	210.088	210.448	211.474	210.295	209.840	---	209.288	209.827	25
26	209.467	209.478	---	210.585	210.128	210.481	211.562	210.284	209.886	---	209.351	209.818	26
27	209.477	209.478	---	210.626	210.153	210.500	211.647	210.308	209.781	---	209.420	209.809	27
28	209.488	---	---	210.616	210.185	210.478	211.723	210.186	209.713	---	209.458	209.806	28
29	209.486		---	210.681	210.301	210.431	211.733	210.153	209.677	---	209.485	209.806	29
30	209.467		---	210.680	210.314	210.380	211.744	210.099	209.711	---	209.548	209.805	30
31	209.467		---		210.323		211.762	210.091		---		209.802	31
MEAN	---	---	---	---	210.217	210.482	210.780	210.755	209.918	---	---	209.632	MEAN
MAX	---	---	---	---	210.853	210.722	211.762	211.711	210.119	---	---	209.679	MAX
MIN	---	---	---	---	210.048	210.310	210.287	210.091	209.677	---	---	209.802	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 211.762 ON JUL 31

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 25 00 N
LONG 110 55 00 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

NATURAL FLOW

DRAINAGE AREA,
159 000 km²

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

ATHABASCA RIVER AT ATHABASCA - STATION NO. 07BE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1038	1028	1008	1848	530	1 540	711	1 280	461	811	275	1708	1
2	1038	1018	1008	2008	525	1 580	681	1 220	488	809	274	1688	2
3	1048	1018	1018	2108	488	1 580	712	1 120	488	676	258	1668	3
4	1058	1008	1028	2308	472	1 520	774	1 080	480	750	247	1648	4
5	1088	1008	1038	2208	457	1 480	775	1 000	463	745	250	1628	5
6	1078	1008	1048	2248	457	1 380	787	989	473	706A	272	1808	6
7	1088	1008	1058	2308	481	1 180	801	1 010	498	718A	285	1588	7
8	1088	1008	1078	2408	555	1 080	781	994	508	718A	2718	1588	8
9	1088	1008	1088	2508	618	1 030	785	950	522	708A	2308	1558	9
10	1088	1008	1118	2808	631	1 050A	803	892	481	723A	2278	1548	10
11	1088	1008	1138	3128	638	1 050A	838	841	440	698A	2228	1528	11
12	1088	1008	1158	3308	640	1 010A	901	812	434	698A	2218	1518	12
13	1088	1008	1178	3508	645	970A	1 000	789	433	561A	2188	1498	13
14	1088	1008	1198	3488	649	977A	1 080	757	433	512A	2188	1488	14
15	1088	1008	1228	3508	818	1 020A	1 080	726	434	478A	2128	1478	15
16	1088	1008	1258	3588	582	935	1 150	713	425	448A	2078	1458	16
17	1078	1008	1288	3608	554	871	1 230	707	408	448A	2038	1448	17
18	1078	1008	1318	3658	530	877	1 410	681	384	408A	2008	1438	18
19	1068	1008	1348	3808	518	1 080	2 380	660	387	388A	1978	1418	19
20	1068	1008	1378	4008	521	1 030A	3 890A	808	383	378	1858	1388	20
21	1068	1008	1418	4178	526	1 030A	4 400A	560	375	384	1928	1388	21
22	1058	1008	1468	490	542	1 140	3 650A	533	365	352	1908	1388	22
23	1058	1008	1518	541	605	1 120A	2 740	532	352	338	1888	1378	23
24	1058	1008	1628	558	718	971A	2 490	516	340	326	1888	1368	24
25	1048	1008	1728	541	831	837A	2 490	485	328	311	1838	1358	25
26	1048	1008	1738	556	854	771	2 530	472	318	302	1818	1348	26
27	1038	1008	1738	523	828	802	2 310	458	313	295	1788	1338	27
28	1038	1008	1748	497	778	904	1 820	458	317	287	1768	1328	28
29	1038		1788	474	776	880	1 630	482	358	282	1748	1318	29
30	1028		1828	505	1 110	782	1 450	458	501	275	1728	1308	30
31	1028		1888		1 410		1 340	443		269		1298	31
TOTAL	3 278	2 804	4 103	10 910	20 108	32 517	49 290	23 187	12 557	15 278	6 501	4 545	TOTAL
MEAN	106	100	133	364	649	1 080	1 590	748	419	493	217	147	MEAN
MAX	108	102	188	558	1 410	1 580	4 400	1 280	522	750	285	170	MAX
MIN	102	100	100	194	457	771	681	443	313	269	172	129	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 507
MAXIMUM DAILY, 4 400A ON JUL 21
MINIMUM DAILY, 1008 ON FEB 4
MAXIMUM INSTANTANEOUS,
4 530 AT 18 09 MST ON JUL 21

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 43 20 N
LONG 113 17 10 W
DRAINAGE AREA, 74 800 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	283 000	JUL	4 260 000
FEB	242 000	AUG	2 000 000
MAR	356 000	SEP	1 080 000
APR	943 000	OCT	1 320 000
MAY	1 740 000	NOV	582 000
JUN	2 810 000	DEC	393 000

TOTAL DISCHARGE, 15 000 000 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS DERIVED FROM PLOTS OF OBSERVED GAUGE READINGS

ATHABASCA RIVER AT HINTON - STATION NO. 07AD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	39.28	31.98	40.88	33.2	37.9	1 090	509	364	281	118	84.2	60.98	1
2	38.68	32.18	41.68	33.6	37.5	1 080	494	358	290	117	86.3	52.08	2
3	38.68	31.08	41.98	33.5	38.4	1 030	508	360	300	111	90.0	60.58	3
4	37.28	27.08	51.28	33.4	42.0	847	516	387	313	108	85.6	25.88	4
5	35.08	26.58	42.78	35.1	48.0	708	461	408	314	115	84.4	33.68	5
6	39.58	27.58	30.88	35.6	51.8	688	417	402	308	135	82.0	34.78	6
7	41.28	28.48	38.78	35.9	54.8	677	412	382	285	165	72.8	32.28	7
8	43.78	28.98	33.68	37.9	56.0	688	434	369	233	173	38.6	39.18	8
9	40.68	28.28	45.68	41.1	58.0	661	453	376	216	167	48.5	45.38	9
10	48.48	29.28	42.38	47.8	61.0	622	502	374	210	155	45.7	43.78	10
11	44.18	29.88	37.88	43.0	61.3	602	529	380	216	144	38.2	46.28	11
12	42.18	29.38	36.38	36.2	60.0	581	489	370	217	133	43.08	45.38	12
13	42.08	27.88	35.95	35.5	57.3	619	474	380	197	128	46.08	40.18	13
14	39.68	24.78	35.28	40.5	58.3	521	450	382	182	120	50.08	44.28	14
15	36.38	22.98	34.78	37.2	56.8	527	407	389	173	116	53.28	44.18	15
16	38.08	17.18	34.58	36.8	55.4	631	412	368	167	112	48.08	44.48	16
17	37.58	19.78	35.08	37.3	53.7	589	501	310	164	108	45.08	46.18	17
18	37.08	23.38	35.98	36.3	56.3	511	629	285	160	107	49.08	43.28	18
19	36.18	24.88	36.08	35.7	54.1	568	681	284	155	104	52.38	42.98	19
20	37.38	25.98	35.38	34.3	51.4	593	650	290	149	101	56.88	42.68	20
21	33.88	27.38	33.88	37.0	115	498	635	288	144	98.4	65.28	43.88	21
22	32.88	27.88	35.4	43.3	139	415	620	264	135	96.8	69.68	50.88	22
23	31.88	28.88	33.3	45.5	133	382	605	251	125	94.3	68.88	53.88	23
24	33.28	31.88	31.5	42.2	121	441	808	249	117	92.0	66.38	50.58	24
25	32.88	40.78	32.7	39.3	117	561	577	259	119	90.8	64.48	49.18	25
26	34.88	43.18	32.7	38.7	189	572	526	262	131	89.8	62.58	50.68	26
27	36.68	37.68	32.2	37.9	384	487	475	251	132	93.3	66.28	54.68	27
28	34.28	42.88	36.1	36.7	704	440	439	250	129	98.8	62.98	59.48	28
29	32.88		39.3	36.6	832	429	428	248	121	106	61.78	57.08	29
30	31.58		38.7	38.3	1 050	464	428	283	118	99.5	60.38	50.18	30
31	30.88		36.4		1 080		391	289		90.9		54.88	31
TOTAL	1 181.2	816.0	1 148.1	1 136.1	5 033.8	18 592	15 887	10 080	5 783	3 582.4	1 839.4	1 401.0	TOTAL
MEAN	37.5	29.1	37.0	37.9	195	620	505	325	193	116	61.3	45.2	MEAN
MAX	48.4	43.1	51.2	47.8	1 080	1 090	681	408	314	173	90.0	59.4	MAX
MIN	30.8	17.1	30.8	33.2	37.5	382	391	249	116	89.8	38.3	25.8	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 184
MAXIMUM DAILY, 1 090 ON JUN 1
MINIMUM DAILY, 17.18 ON FEB 16
MAXIMUM INSTANTANEOUS,
1 080 AT 17:18 MST ON MAY 31

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 24 39 N
LONG 117 35 11 W
DRAINAGE AREA, 9 780 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	100 000	JUL	1 350 000
FEB	70 500	AUG	688 000
MAR	99 200	SEP	501 000
APR	98 300	OCT	310 000
MAY	521 000	NOV	159 000
JUN	1 810 000	DEC	121 000

TOTAL DISCHARGE, 5 810 000 dam³

ATHABASCA RIVER BELOW MCMURRAY - STATION NO. 07DA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1888	1678	1688	2788	935	1 420	1 100	1 890	711	544	524	2488	1
2	1868	1678	1688	2688	930	1 730	1 010	1 770	701	519	487	2428	2
3	1848	1678	1688	3008	987	1 810	939	1 700	687	787	484	2368	3
4	1828	1678	1688	3188	959	1 800	909	1 630	692	810	506	2348	4
5	1818	1678	1688	3308	960	1 760	920	1 520	712	847	514	2308	5
6	1798	1678	1688	3458	941	1 710	885	1 440	720	827	508	2288	6
7	1748	1678	1688	3388	924	1 630	1 030	1 380	708	938	546	2238	7
8	1778	1678	1688	3458	913	1 480	1 050	1 350	697	905	4708	2208	8
9	1768	1678	1688	3688	927	1 330	1 080	1 350	705	901	4508	2188	9
10	1758	1678	1708	3808	881	1 230	1 050	1 330	728	912	4258	2158	10
11	1748	1678	1748	4308	1 050	1 180	1 040	1 270	735	900	4058	2128	11
12	1748	1678	1788	4508	1 070	1 200	1 040	1 220	738	899	3988	2108	12
13	1738	1678	1808	4758	1 080	1 190	1 080	1 170	707	903	3808	2078	13
14	1738	1678	1848	4858	1 080	1 180	1 130	1 130	684	879	3708	2038	14
15	1728	1678	1888	4988	1 070	1 120	1 230	1 090	654	844	3608	2008	15
16	1728	1678	1948	4908	1 080	1 110	1 280	1 050	656	806	3488	1988	16
17	1718	1678	2008	4858	1 030	1 150	1 320	1 020	655	771	3378	1978	17
18	1718	1678	2058	4808	990	1 080	1 500	1 020	658	739	3288	1968	18
19	1718	1678	2108	4858	957	1 020	1 730	1 010	648	710	3188	1938	19
20	1718	1678	2178	5078	926	1 130	2 220	978	633	686	3108	1908	20
21	1708	1678	2258	5608	906	1 250	3 610	948	617	663	3008	1888	21
22	1708	1678	2328	6208	813	1 230	4 440	902	610	644	2978	1878	22
23	1708	1678	2398	6958	955	1 260	4 430	859	600	629	2908	1868	23
24	1708	1678	2458	7608	886	1 380	3 580	822	591	616	2838	1848	24
25	1708	1678	2528	8508	1 030	1 380	3 120	802	581	602	2788	1828	25
26	1708	1668	2588	9258	1 120	1 230	2 990	794	572	590	2708	1808	26
27	1708	1668	2608	1 070	1 220	1 120	3 010	770	580	577	2678	1788	27
28	1698	1668	2608	1 040	1 240	1 040	2 930	744	551	568	2608	1778	28
29	1698		2628	1 050	1 200	1 030	2 650	728	541	553	2568	1768	29
30	1688		2678	989	1 140	1 110	2 270	719	536	540	2508	1758	30
31	1688		2708		1 100		2 050	714		529		1748	31
TOTAL	5 392	4 673	6 366	16 620	31 580	39 260	58 713	35 120	19 558	22 838	11 219	6 289	TOTAL
MEAN	174	167	205	554	1 020	1 310	1 890	1 130	652	737	374	203	MEAN
MAX	188	167	270	1 070	1 240	1 810	4 440	1 890	738	938	546	248	MAX
MIN	168	166	166	276	906	1 020	909	714	536	529	250	174	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 706
MAXIMUM DAILY, 4 440 ON JUL 22
MINIMUM DAILY, 1668 ON FEB 26
MAXIMUM INSTANTANEOUS,
4 880 AT 00 48 MST ON JUL 23

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 46 50 N
LONG 111 24 00 W
DRAINAGE AREA, 133 000 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	486 000	JUL	5 070 000
FEB	404 000	AUG	3 030 000
MAR	550 000	SEP	1 690 000
APR	1 440 000	OCT	1 970 000
MAY	2 730 000	NOV	969 000
JUN	3 390 000	DEC	543 000

TOTAL DISCHARGE, 22 300 000 dam³

ATHABASCA RIVER NEAR JASPER - STATION NO. 07AA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	10.8 B	11.6 B	11.4 B	11.8	10.6	518	282	178	175	48.7	31.2	19.38	1
2	10.6 B	10.4 B	11.5 B	11.8	10.8	562	289	194	181	46.4	37.3	18.28	2
3	10.2 B	10.7 B	11.3 B	12.1	11.9	469	307	224	188	44.4	35.4	16.58	3
4	9.918	9.898	11.7 B	12.8	13.8	384	243	252	174	45.6	34.2	13.78	4
5	10.2 B	9.798	11.2 B	13.4	15.0	348	198	246	178	50.4	33.1	14.68	5
6	10.7 B	10.3 B	10.9 B	13.9	15.8	334	190	227	134	57.2	32.0	15.18	6
7	11.2 B	10.3 B	10.4 B	14.6	17.7	358	203	223	116	64.1	27.3	16.08	7
8	11.2 B	9.948	10.5 B	16.2	18.3	338	230	231	109	68.8	22.08	15.38	8
9	11.1 B	9.858	10.6 B	16.6	18.8	326	258	236	106	62.8	18.88	14.88	9
10	11.1 B	9.078	10.5	17.2	18.7	303	302	226	107	57.8	19.78	14.78	10
11	10.9 B	8.868	10.1	15.8	17.6	373	278	241	111	52.8	23.68	14.18	11
12	10.9 B	8.938	9.96	13.6	16.9	343	262	259	93.2	49.4	23.58	14.98	12
13	10.8 B	8.528	10.1	12.9	16.2	272	247	262A	81.4	47.7	24.68	15.58	13
14	10.5 B	8.698	10.0	12.9	15.7	260	231	248A	74.8	46.1	25.68	15.68	14
15	10.3 B	8.518	9.85	12.9	14.7	334	218	228	70.3	44.5	24.58	17.88	15
16	10.3 B	8.258	9.79	13.3	14.4	295	233	186	68.8	43.0	25.28	16.98	16
17	10.3 B	8.258	9.90	13.2	14.6	250	270	162	67.1	42.1	24.58	15.88	17
18	10.0 B	8.158	10.2	12.7	17.1	303	289	162	63.2	40.7	23.18	14.58	18
19	9.908	8.008	10.2	12.4	23.1	353	265	174	59.6	39.3	21.58	13.98	19
20	9.958	8.008	10.5	13.6	37.5	278	274	151	56.6	38.4	24.08	15.09	20
21	10.0 B	8.108	11.0	16.3	53.5	217	287	138	54.0	37.5	25.28	17.08	21
22	10.2 B	11.1 B	11.1	17.5	52.0	182	296	140	52.2	36.3	24.38	17.48	22
23	10.4 B	11.1 B	10.7	16.2	43.7	221	307	141	51.3	35.2	24.08	17.48	23
24	10.7 B	10.9 B	10.7	14.2	41.2	337	294	147	53.2	34.6	24.08	17.18	24
25	10.8 B	10.6 B	10.7	13.3	47.1	359	286	149	52.8	34.7	22.38	16.38	25
26	10.8 B	10.2 B	10.9	13.0	107	287	238	141	57.8	35.7	21.18	15.98	26
27	11.1 B	8.808	11.8	13.2	271	249	222	141	54.2	46.8	19.38	16.68	27
28	11.5 B	10.5 B	14.1	13.2	410	244	219	157	50.2	52.9	18.38	17.08	28
29	11.1 B		14.7	12.1	554	245	231	186	47.8	46.0	20.88	17.88	29
30	10.9 B		13.2	10.9	577	285	200	164	47.2	41.2	19.38	16.58	30
31	11.0 B		12.2		554		178	174		36.3		14.18	31
TOTAL	329.76	268.80	341.60	415.4	3 050.8	9 656	7 787	5 011	2 736.7	1 428.5	751.0	496.7	TOTAL
MEAN	10.6	9.59	11.0	13.8	88.4	321	251	194	91.2	46.1	25.0	16.0	MEAN
MAX	11.6	11.6	14.7	16.6	577	562	307	262	188	68.8	37.3	19.3	MAX
MIN	9.80	8.00	9.85	10.9	10.6	192	178	138	47.2	34.6	18.6	13.7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 91.1
MAXIMUM DAILY, 577 ON MAY 30
MINIMUM DAILY, 8.008 ON FEB 19
MAXIMUM INSTANTANEOUS,
638 AT 08:05 MST ON JUN 2

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 54 36 N
LONG 118 03 26 W
DRAINAGE AREA, 3 880 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	28 500	JUL	673 000
FEB	23 200	AUG	519 000
MAR	29 500	SEP	236 000
APR	35 900	OCT	123 000
MAY	264 000	NOV	84 900
JUN	833 000	DEC	42 900

TOTAL DISCHARGE, 2 870 000 dam³

REMARKS - MAXIMUN INSTANTANEOUS DISCHARGE WAS APPROXIMATE DUE TO ORIFACE MOVEMENT

ATHABASCA RIVER NEAR OLD FORT - STATION NO. 07DD011

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	211.105	210.952	210.788	211.253	214.002	212.984	212.553	214.917	211.785	211.282	---	211.783	1
2	211.107	210.854	210.782	211.320	---	212.931	212.704	214.649	211.784	211.245	---	211.786	2
3	211.100	210.855	210.769	211.406	---	213.386	212.708	214.411	211.780	211.249	---	211.768	3
4	211.089	210.855	210.769	211.506	---	213.612	212.588	214.189	211.731	211.359	---	211.728	4
5	211.074	210.849	210.778	211.620	---	213.843	212.484	214.015	211.679	211.734	---	211.726	5
6	211.053	210.843	210.800	211.726	---	213.938	212.381	213.844	211.676	211.834	---	211.733	6
7	211.038	210.844	210.805	211.783	212.311	213.890	212.395	213.667	211.705	212.016	---	211.766	7
8	211.035	210.844	210.813	211.868	212.282	213.870	212.566	213.505	211.734	212.178	---	211.783	8
9	211.018	210.845	210.820	211.916	212.248	213.713	212.654	213.377	211.718	212.249	---	211.780	9
10	210.990	210.853	210.834	212.187	212.217	213.494	212.734	213.301	211.897	212.211	---	211.718	10
11	210.971	210.859	210.873	212.287	212.235	213.259	212.801	213.273	211.890	212.189	---	211.677	11
12	210.955	210.854	210.906	212.308	212.330	213.087	212.782	213.194	211.709	212.207	---	211.630	12
13	210.940	210.850	210.927	212.319	212.470	212.970	212.738	213.085	211.736	212.186	211.676	211.576	13
14	210.950	210.855	210.950	212.342	212.553	212.863	212.734	212.985	211.745	212.174	211.646	211.534	14
15	210.955	210.852	210.981	212.375	212.588	212.938	212.812	212.859	211.684	212.168	211.558	211.485	15
16	210.954	210.850	211.030	212.403	212.624	212.870	212.826	212.787	211.590	---	211.443	211.442	16
17	210.953	---	211.082	212.478	212.620	212.818	213.108	212.890	211.544	---	211.332	211.428	17
18	210.948	---	211.100	212.524	212.606	212.817	213.249	212.806	211.529	---	211.208	211.397	18
19	210.942	---	211.125	212.735	212.578	212.872	213.380	212.536	211.521	---	211.108	211.358	19
20	210.937	210.851	211.134	212.808	212.510	212.816	213.784	212.506	211.514	---	211.041	211.348	20
21	210.944	210.876	211.124	212.835	212.451	212.720	214.201	212.472	211.512	---	210.983	211.345	21
22	210.954	210.861	211.108	213.000	212.417	212.678	214.897	212.417	211.482	---	210.806	211.360	22
23	210.959	210.850	211.093	213.187	212.406	213.070	215.614	212.339	211.445	---	210.653	211.378	23
24	210.972	210.838	211.095	213.205	212.454	213.080	215.810	212.242	211.434	---	210.575	211.359	24
25	210.976	210.835	211.087	213.215	212.609	213.103	216.043	212.167	211.416	---	211.028	211.334	25
26	210.985	210.828	211.088	213.270	212.739	213.198	215.934	212.076	211.400	---	211.244	211.308	26
27	210.992	210.814	211.103	213.676	212.827	213.137	215.758	212.018	211.362	---	211.358	211.295	27
28	210.985	210.811	211.111	214.780	212.963	212.944	215.605	211.968	211.339	---	211.405	211.293	28
29	210.976		211.135	214.653	213.115	212.751	215.516	211.911	211.304	---	211.530	211.291	29
30	210.970		211.185	214.445	213.150	212.694	215.419	211.838	211.278	---	211.890	211.281	30
31	210.964		211.204		213.082		215.215	211.808		---		211.284	31
MEAN	210.983	---	210.981	212.586	---	213.160	213.748	212.955	211.581	---	---	211.513	MEAN
MAX	211.107	---	211.204	214.780	---	213.843	216.043	214.917	211.785	---	---	211.786	MAX
MIN	210.937	---	210.769	211.253	---	212.604	212.381	211.808	211.278	---	---	211.291	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 22 26 N
LONG 111 31 18 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

NATURAL FLOW

DRAINAGE AREA,
155 000 km²

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

ATHABASCA RIVER NEAR WINDFALL - STATION NO. 07AE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	60.0B	60.0B	118	1 280	535E	528	343	287	140	---	1
2	---	---	63.0B	56.3B	105	1 250	525E	490	342	300	134	---	2
3	---	---	64.0B	54.3B	102	1 240	520E	474	337	286	138	---	3
4	---	---	63.5B	56.8B	119	1 120	520E	483	339	272	148A	---	4
5	---	---	62.0B	59.8B	161	941	520E	518	383	271	---	---	5
6	---	---	60.3B	63.8B	193	840	522E	534	375	276	---	---	6
7	---	---	55.6B	65.2B	201	816	524A	514	374	283	---	---	7
8	---	---	49.8B	67.3B	199	849	539	488	325	308	---	---	8
9	---	---	53.2B	73.3B	193	844	558	464	284	311	---	---	9
10	---	---	51.8B	73.4B	194	804	582	465	278	312	---	---	10
11	---	---	56.4B	69.3B	196	767	629	457	274	278	---	---	11
12	---	---	54.8B	64.2B	193	778	635	442	281	280	---	---	12
13	---	---	53.6B	55.0B	179	833	610	450	288	244	---	---	13
14	---	---	53.9B	47.7B	164	731	602	480	270	232	---	---	14
15	---	---	54.4B	49.8B	155	867	576	454	255	222	---	---	15
16	---	---	53.8B	51.8B	150	755	578	436	243	211	---	---	16
17	---	---	53.4B	56.8B	148	833	701	413	235	203	---	---	17
18	---	---	52.8B	70.1B	147	736	1 250	374	231	197	---	---	18
19	---	---	53.2B	80.1B	147	691	1 280	348	226	188	---	---	19
20	---	---	54.2B	87.0B	157	750	1 130	344	219	185	---	---	20
21	---	---	55.2B	162 B	180	715	876	346	209	180	---	---	21
22	---	---	56.3B	143	242	616	889	326	199E	172	---	---	22
23	---	---	55.8B	134	301	541	857	307	188E	167	---	---	23
24	---	---	54.3B	128	306	524	848	303	178A	162	---	---	24
25	---	---	52.7B	121	288	586	835	302	171	158	---	---	25
26	---	---	51.2B	115	281	685	784	305	185	155	---	---	26
27	---	---	53.8B	113	348	855A	701	314	238	153	---	---	27
28	---	---	55.8B	125	885	598A	647	308	282	152	---	---	28
29	---		57.8B	132	1 030	560E	604	304	275	158	---	---	29
30	---		62.5B	132	1 190	550E	589	314	266	188	---	---	30
31	---		63.7B		1 250		573	335		182		---	31
TOTAL	---	---	1 742.8	2 579.8	8 304	23 538	21 629	12 589	8 084	6 815	---	---	TOTAL
MEAN	---	---	56.2	86.0	300	785	698	406	269	223	---	---	MEAN
MAX	---	---	64.0	162	1 250	1 280	1 280	534	375	311	---	---	MAX
MIN	---	---	49.8	47.7	102	524	520	302	171	153	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 383
MAXIMUM DAILY, 1 280 ON JUL 19
MINIMUM DAILY, 47.78 ON APR 14
MAXIMUM INSTANTANEOUS,
1 350 AT 20:51 MST ON JUL 18

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 12 25 N
LONG 116 03 45 W
DRAINAGE AREA, 19 600 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 870 000
FEB	---	AUG	1 090 000
MAR	151 000	SEP	698 000
APR	223 000	OCT	588 000
MAY	804 000	NOV	---
JUN	2 030 000	DEC	---

TOTAL DISCHARGE, 7 480 000 dam³

ATIM CREEK NEAR SPRUCE GROVE - STATION NO. 05EA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.4898	0.419	0.419	0.122	0.185	0.134	0.048	0.300	0.038	---	1
2	---	---	0.4708	0.382	0.385	0.119	0.172	0.114	0.058	0.314	0.040	---	2
3	---	---	0.4518	0.347	0.336	0.111	0.172	0.093	0.067	0.321	0.041	---	3
4	---	---	0.5348	0.361	0.315	0.114	0.170	0.097	0.081	0.360	---	---	4
5	---	---	0.6048	0.324	0.297	0.105	0.162	0.093	0.103	0.409	---	---	5
6	---	---	0.5708	0.289	0.263	0.097	0.141	0.087	0.126	0.438	---	---	6
7	---	---	0.5388	0.256	0.272	0.088	0.117	0.087	0.152	0.481	---	---	7
8	---	---	0.5038	0.295	0.245	0.097	0.108	0.085	0.177	0.431	---	---	8
9	---	---	0.4898	0.350	0.245	0.090	0.133	0.087	0.203	0.383	---	---	9
10	---	---	0.4358	0.585	0.247	0.084	0.171	0.048	0.234	0.340	---	---	10
11	---	---	0.4018	0.542	0.247	0.080	0.217	0.080	0.282	0.300	---	---	11
12	---	---	0.3888	0.492	0.253	0.082	0.277	0.072	0.307	0.259	---	---	12
13	---	---	0.3348	0.472	0.253	0.089	0.385	0.074	0.222	0.238	---	---	13
14	---	---	0.3008	0.454	0.247E	0.128	0.428	0.087	0.178	0.201	---	---	14
15	---	---	0.4318	0.424	0.241E	0.184	0.494	0.051	0.153	0.143	---	---	15
16	---	---	0.5628	0.450	0.234E	0.182	0.705	0.048	0.137	0.118	---	---	16
17	---	---	0.6928	0.536	0.228E	0.200	1.40	0.035	0.122	0.088	---	---	17
18	---	---	0.6238	0.564	0.222E	0.216	2.51	0.028	0.088	0.084	---	---	18
19	---	---	0.9548	0.431	0.216E	0.293	1.47	0.018	0.082	0.048	---	---	19
20	---	---	1.98 B	0.428	0.210E	0.315	1.12	0.015	0.085	0.036	---	---	20
21	---	---	1.86 B	0.359	0.204E	0.294	0.905	0.002	0.047	0.037	---	---	21
22	---	---	1.48 B	0.311	0.197E	0.308	0.746	0.008	0.033	0.038	---	---	22
23	---	---	0.7078	0.363	0.191E	0.110	0.622	0.013	0.023	0.035	---	---	23
24	---	---	0.7448	0.336	0.185	0.137	0.530	0.018	0.033	0.040	---	---	24
25	---	---	0.7808	0.335	0.174	0.214	0.445	0.021	0.057	0.037	---	---	25
26	---	---	0.817E	0.387	0.162	0.074	0.383	0.028	0.084	0.037	---	---	26
27	---	0 B	0.853	0.384	0.149	0.104	0.328	0.022	0.134	0.038	---	---	27
28	---	0.245B	1.02	0.410	0.137	0.145	0.258	0.022	0.180	0.038	---	---	28
29	---		0.781	0.466	0.148	0.181	0.221	0.035	0.184	0.042	---	---	29
30	---		0.607	0.418	0.139	0.198	0.175	0.037	0.218	0.042	---	---	30
31	---		0.484		0.131		0.159	0.038		0.039	---	---	31
TOTAL	---	---	21.849	12.135	7.172	4.559	15.289	1.567	3.854	5.686	---	---	TOTAL
MEAN	---	---	0.705	0.405	0.231	0.152	0.493	0.051	0.128	0.183	---	---	MEAN
MAX	---	---	1.98	0.585	0.419	0.315	2.51	0.134	0.307	0.481	---	---	MAX
MIN	---	---	0.300	0.258	0.131	0.074	0.108	0.002	0.023	0.036	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.235
MAXIMUM DAILY, 2.51 ON JUL 18
MINIMUM DAILY, 0.002 ON AUG 21
MAXIMUM INSTANTANEOUS,
3.11 AT 01 13 MST ON MAR 20

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE OCCURRED OUTSIDE THE STANDARD PRIOD

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 34 20 N
LONG 113 58 00 W
DRAINAGE AREA, 315 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 320
FEB	---	AUG	135
MAR	1 880	SEP	332
APR	1 050	OCT	491
MAY	620	NOV	---
JUN	394	DEC	---

TOTAL DISCHARGE, 4 340 dam³

ATIMDSWE CREEK NEAR ELK POINT - STATION NO. 05ED002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0248	1.30 B	0.084	0.131	0.088E	0.140	0.008	0.005	0.011	---	1
2	---	---	0.0258	1.82 B	0.040	0.113	0.098E	0.129	0.007	0.005	0.010	---	2
3	---	---	0.0258	3.00 B	0.024	0.126	0.104E	0.114	0.008	0.005	0.010A	---	3
4	---	---	0.0268	2.60 B	0.024	0.109	0.108E	0.153	0.008	0.005	---	---	4
5	---	---	0.0268	2.40 B	0.020	0.143	0.113E	0.124	0.007	0.005	---	---	5
6	---	---	0.0268	0.864	0.018	0.188	0.118E	0.113	0.006	0.088	---	---	6
7	---	---	0.0278	1.00	0.024	0.150	0.120E	0.098	0.007	0.247	---	---	7
8	---	---	0.0278	1.44	0.048	0.184	0.127E	0.087	0.008	0.185	---	---	8
9	---	---	0.0288	1.30	0.032	0.161	0.134E	0.074	0.005	0.084	---	---	9
10	---	---	0.0288	1.02	0.042	0.111	0.140E	0.058	0.005	0.083	---	---	10
11	---	---	0.0288	0.881	0.035	0.113	0.150E	0.047	0.005	0.032	---	---	11
12	---	---	0.0308	0.692	0.034	0.101	0.162E	0.041	0.005	0.028	---	---	12
13	---	---	0.0328	0.552	0.035	0.088	0.148E	0.036	0.006	0.011	---	---	13
14	---	---	0.0388	0.486	0.080	0.087	0.122E	0.030	0.007	0.039	---	---	14
15	---	---	0.0458	0.437	0.137	0.048	0.118E	0.027	0.007	0.126	---	---	15
16	---	---	0.0548	0.337	0.130	0.042	0.180A	0.024	0.007	0.082	---	---	16
17	---	---	0.0878	0.296	0.169	0.030	0.277	0.021	0.007	0.066	---	---	17
18	---	---	0.0888	0.280	0.227	0.025A	0.289	0.020	0.007	0.067	---	---	18
19	---	---	0.1148	0.248	0.277	0.022E	0.264	0.020	0.007	0.051	---	---	19
20	---	---	0.2208	0.220	0.278	0.020E	0.237	0.020	0.007	0.087	---	---	20
21	---	---	0.2108	0.183	0.258	0.015E	0.209	0.015	0.006	0.088	---	---	21
22	---	---	0.1958	0.141	0.313	0.020E	0.188	0.015	0.007	0.088	---	---	22
23	---	---	0.1688	0.115	0.301	0.028E	0.208	0.015	0.007	0.085	---	---	23
24	---	---	0.1778	0.084	0.282	0.036E	0.210	0.015	0.008	0.109	---	---	24
25	---	---	0.1708	0.075	0.280	0.054E	0.226	0.015	0.005	0.028	---	---	25
26	---	---	0.2308	0.056	0.261	0.070E	0.181	0.015	0.005	0.022	---	---	26
27	---	---	0.2808	0.048	0.225	0.084E	0.183	0.013	0.005	0.020	---	---	27
28	---	---	0.3808	0.050	0.204	0.080E	0.162	0.012	0.004	0.018	---	---	28
29	---		0.5408	0.115	0.221	0.067E	0.156	0.010	0.004	0.015	---	---	29
30	---		0.5508	0.108	0.188	0.078E	0.179	0.008	0.004	0.014	---	---	30
31	---		1.47 B		0.159		0.182	0.008		0.012	---	---	31
TOTAL	---	---	5.805	31.879	4.494	2.412	5.127	1.830	0.185	1.889	---	---	TOTAL
MEAN	---	---	0.187	0.733	0.145	0.080	0.165	0.049	0.006	0.055	---	---	MEAN
MAX	---	---	1.47	3.00	0.313	0.188	0.277	0.153	0.008	0.247	---	---	MAX
MIN	---	---	0.024	0.048	0.018	0.015	0.088	0.008	0.004	0.005	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.176
MAXIMUM DAILY, 3.008 ON APR 3
MINIMUM DAILY, 0.004 ON SEP 28

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 53 10 N
LONG 110 55 10 W
DRAINAGE AREA, 364 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	443
FEB	---	AUG	132
MAR	502	SEP	16.0
APR	1 800	OCT	147
MAY	388	NOV	---
JUN	208	DEC	---

TOTAL DISCHARGE, 3 745 dam³

ATLAS MINE COULEE AT WESTERN MONARCH - STATION NO. 05CG005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0228	0.003	0.002	0	0.001	0.001	0	0.085	0.002	---	1
2	---	---	0.0408	0.002	0.002	0	0	0	0	0.083	0.002	---	2
3	---	---	0.0388	0.001	0.002	0	0.006	0	0	0.088	0.0038	---	3
4	---	---	0.0288	0.002	0.011	0.012	0.001	0	0.012	0.018	---	---	4
5	---	---	0.0188	0.002	0.011	0.008	0.018	0.003	0.003	0.006	---	---	5
6	---	---	0.0108	0.002	0.028	0.016	0.002	0.001	0.001	0.003	---	---	6
7	---	---	0.0058	0.002	0.008	0.004	0.001	0	0	0.002	---	---	7
8	---	---	0.0208	0.002	0.004	0.028	0	0	0.001	0.003	---	---	8
9	---	---	0.0308	0.001	0.003	0.021	0.008	0	0.001	0.007	---	---	9
10	---	---	0.0418	0.001	0.007	0.004	0.001	0	0.001	0.005	---	---	10
11	---	---	0.0078	0.001	0.005	0.002	0.001	0	0.006	0.003	---	---	11
12	---	---	0.0128	0.001	0.005	0.001	0	0.001	0.005	0.002	---	---	12
13	---	---	0.0308	0.001	0.023	0	0	0.001	0.001	0.002	---	---	13
14	---	---	0.0288	0.002	0.134	0	0	0.001	0.001	0.002	---	---	14
15	---	---	0.0178	0.002	0.120	0.021	0.007	0.008	0.001	0.002	---	---	15
16	---	---	0.0188	0.002	0.071	0.002	0.004	0.003	0.003	0.002	---	---	16
17	---	---	0.0188	0.002	0.056	0.001	0.128	0.001	0.003	0.002	---	---	17
18	---	---	0.0178	0.002	0.034	0.001	0.021	0.001	0.002	0.002	---	---	18
19	---	---	0.021	0.002	0.021	0.001	0.012	0	0.002	0.002	---	---	19
20	---	---	0.019	0.002	0.008	0.001	0.004	0	0.004	0.002	---	---	20
21	---	---	0.028	0.002	0.005	0	0.002	0	0.002	0.002	---	---	21
22	---	---	0.019	0.003	0.004	0	0.002	0	0.001	0.002	---	---	22
23	---	---	0.016	0.009	0.003	0	0.002	0	0.001	0.002	---	---	23
24	---	0.0018	0.009	0.004	0.003	0	0.002	0	0.001	0.002	---	---	24
25	---	0.0438	0.012	0.003	0.002	0	0.001	0	0.908A	0.002	---	---	25
26	---	0.1478	0.011	0.003	0.001	0	0	0	0.478A	0.002	---	---	26
27	---	0.0188	0.008	0.003	0	0	0.016	0	0.077A	0.002	---	---	27
28	---	0.0238	0.007	0.002	0	0	0.003	0	0.017	0.003	---	---	28
29	---		0.006	0.002	0	0.023	0.002	0	0.007	0.003	---	---	29
30	---		0.004	0.002	0	0.003	0.001	0	0.003	0.002	---	---	30
31	---		0.003		0		0.001	0		0.002		---	31
TOTAL	---	---	0.556	0.088	0.575	0.180	0.247	0.021	1.540	0.325	---	---	TOTAL
MEAN	---	---	0.018	0.002	0.019	0.005	0.008	0.001	0.051	0.010	---	---	MEAN
MAX	---	---	0.041	0.009	0.134	0.028	0.128	0.008	0.908	0.088	---	---	MAX
MIN	---	---	0.003	0.001	0	0	0	0	0	0.002	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.014
MAXIMUM DAILY, 0.908A ON SEP 25
MINIMUM DAILY, 0 ON MAY 27
MAXIMUM INSTANTANEOUS,
2.68 ON SEP 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 19 40 N
LONG 112 28 40 W
DRAINAGE AREA, 52.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	21.3
FEB	---	AUG	1.61
MAR	48.0	SEP	133
APR	5.88	OCT	28.1
MAY	49.7	NOV	---
JUN	13.0	DEC	---

TOTAL DISCHARGE, 301 dam³

BABETTE CREEK NEAR COLINTON - STATION NO. 07CA008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0058	0.341B	0.008	0.001	0.001	0.046	0.003	0.004	0.008	---	1
2	---	---	0.0108	0.528B	0.005	0.001	0.001	0.032	0.003	0.004	0.007	---	2
3	---	---	0.0088	0.578B	0.012	0.008	0.008	0.028	0.002	0.004	0.005	---	3
4	---	---	0.0078	0.471B	0.009	0.084	0.002	0.048	0.002	0.004	0.008	---	4
5	---	---	0.0808	0.380B	0.013	0.029	0.001	0.052	0.002	0.004	0.021	---	5
6	---	---	0.0808	0.300B	0.038	0.012	0.001	0.104	0.002	0.003	0.028A	---	6
7	---	---	0.0758	0.317	0.032	0.007	0.001	0.108	0.002	0.003	---	---	7
8	---	---	0.0708	0.253	0.030	0.004	0.001	0.085	0.002	0.003	---	---	8
9	---	---	0.0658	0.363	0.024	0.003	0.002	0.070	0.002	0.003	---	---	9
10	---	---	0.0608	0.413	0.025	0.002	0.002	0.060	0.002	0.004	---	---	10
11	---	---	0.0608	0.295A	0.020	0.003	0.002	0.040	0.002	0.008	---	---	11
12	---	---	0.0608	0.196A	0.021	0.002	0.003	0.030	0.002	0.008	---	---	12
13	---	---	0.0608	0.127A	0.018	0.002	0.010	0.053	0.002	0.008	---	---	13
14	---	---	0.0608	0.088A	0.015	0.002	0.129	0.087	0.002	0.008	---	---	14
15	---	---	0.0608	0.078	0.011	0.001	0.123	0.045	0.002	0.008	---	---	15
16	---	---	0.0608	0.082	0.008	0.001	0.224	0.034	0.002	0.008	---	---	16
17	---	---	0.0608	0.072	0.008	0.002	0.878	0.023	0.002	0.007	---	---	17
18	---	---	0.0608	0.056	0.007	0.001	5.54	0.018	0.002	0.006	---	---	18
19	---	---	0.1008	0.038	0.008	0.002	6.33	0.011	0.002	0.005	---	---	19
20	---	---	0.1808	0.031	0.008	0.002	2.87	0.007	0.002	0.005	---	---	20
21	---	---	0.2008	0.021	0.005	0.002	0.823	0.005	0.002	0.005	---	---	21
22	---	---	0.1808	0.016	0.008	0.001	0.317	0.005	0.002	0.005	---	---	22
23	---	---	0.1408	0.015	0.007	0.001	0.158	0.005	0.002	0.005	---	---	23
24	---	---	0.1308	0.013	0.008	0.002	0.132	0.004	0.002	0.005	---	---	24
25	---	---	0.1208	0.013	0.005	0.001	0.112	0.003	0.002	0.005	---	---	25
26	---	---	0.2008	0.014	0.004	0.002	0.186	0.003	0.003	0.005	---	---	26
27	---	---	0.3618	0.011	0.004	0.001	0.194	0.002	0.004	0.005	---	---	27
28	---	---	0.6388	0.011	0.003	0.001	0.160	0.002	0.004	0.005	---	---	28
29	---		0.5988	0.018	0.002	0.001	0.135	0.003	0.004	0.005	---	---	29
30	---		0.3978	0.023	0.002	0.001	0.104	0.003	0.005	0.005	---	---	30
31	---		0.2988		0.002		0.074	0.003		0.008		---	31
TOTAL	---	---	4.443	5.151	0.359	0.180	18.823	0.590	0.072	0.181	---	---	TOTAL
MEAN	---	---	0.143	0.172	0.012	0.006	0.801	0.032	0.002	0.006	---	---	MEAN
MAX	---	---	0.638	0.578	0.038	0.084	6.33	0.109	0.005	0.008	---	---	MAX
MIN	---	---	0.005	0.011	0.002	0.001	0.001	0.002	0.002	0.003	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.122
MAXIMUM DAILY, 6.33 ON JUL 19
MINIMUM DAILY, 0.001 ON JUN 1
MAXIMUM INSTANTANEOUS,
7.71 AT 10:37 MST ON JUL 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 39 10 N
LONG 113 04 45 W
DRAINAGE AREA, 222 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 810
FEB	---	AUG	85.5
MAR	384	SEP	6.22
APR	445	OCT	13.9
MAY	31.0	NOV	---
JUN	13.8	DEC	---

TOTAL DISCHARGE, 2 590 dam³

BAPTISTE LAKE NEAR ATHABASCA - STATION NO. 07BE002

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	577.819	577.983E	578.075	577.873	578.786	578.234	578.036	---	---	1
2	---	---	---	---	577.983E	578.078	577.868	578.766	578.220	578.036	---	---	2
3	---	---	---	---	577.983E	578.075	577.868	578.751	578.215	578.036	578.068	---	3
4	---	---	577.735	---	577.983E	578.075	577.863	578.746	578.201	578.039	---	---	4
5	---	---	---	---	577.983E	578.073	577.858	578.721	578.186	578.039	---	---	5
6	---	---	---	---	577.983	578.063	577.853	578.701	578.177	578.041	---	---	6
7	---	---	---	---	577.983	578.053	577.848	578.686	578.162	578.041	---	---	7
8	---	---	---	---	577.983	578.043	577.846	578.671	578.158	578.043	---	---	8
9	---	---	---	---	578.003	578.023	577.843	578.606	578.146	578.041	---	---	9
10	---	---	---	---	578.003	578.013	577.845	578.621	578.136	578.041	---	---	10
11	---	---	---	---	578.003	577.993	577.903	578.601	578.121	578.041	---	---	11
12	---	---	---	---	578.023	577.983	577.953	578.601	578.118	578.041	---	---	12
13	---	---	---	---	578.025	577.983	577.988	578.551	578.108	578.041	---	---	13
14	---	---	---	---	578.028	577.983	578.003	578.531	578.081	578.041	---	---	14
15	---	---	---	---	578.028	577.973	578.049	578.511	578.081	578.041	---	---	15
16	---	---	---	---	578.025	577.963	578.098	578.491	578.071	578.042	---	---	16
17	---	---	---	---	578.025	577.953	578.183	578.471	578.061	578.046	---	---	17
18	---	---	---	---	578.028	577.953	578.382E	578.466	578.061	578.043	---	---	18
19	---	---	---	---	578.028	578.023	578.501	578.441	578.046	578.043	---	---	19
20	---	---	---	---	578.033	577.973	578.701	578.416	578.041	578.045	---	---	20
21	---	---	---	---	578.033	577.973	578.786	578.406	578.036	578.041	---	---	21
22	---	---	---	---	578.043	577.973	578.816	578.386	578.027	578.045	---	---	22
23	---	---	---	---	578.053	577.923	578.831	578.371	578.026	578.045	---	---	23
24	---	---	---	---	578.058	577.873	578.851	578.351	578.021	578.042	---	---	24
25	---	---	---	---	578.063	577.903	578.871	578.328	578.016	578.044E	---	---	25
26	---	---	---	---	578.068	577.903	578.876	578.311	578.016	578.045	---	---	26
27	---	---	---	---	578.073	577.903	578.876	578.302	578.026	578.051	---	---	27
28	---	---	---	---	578.078	577.823	578.856	578.292	578.029	578.051	---	---	28
29	---		---	---	578.078	577.873	578.847	578.286	578.031	578.051	---	---	29
30	---		---	---	578.081	577.823	578.831	578.278	578.031	578.051	---	---	30
31	---		---		578.081		578.806	578.249		578.061		---	31
MEAN	---	---	---	---	578.029	577.941	578.311	578.508	578.095	578.044	---	---	MEAN
MAX	---	---	---	---	578.081	578.078	578.876	578.786	578.234	578.061	---	---	MAX
MIN	---	---	---	---	577.983	577.923	577.843	578.249	578.016	578.036	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 578.876 ON JUL 26

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 44 16 N
LONG 113 31 51 W

E - ESTIMATED

DRAINAGE AREA, 303 km²

BAPTISTE RIVER NEAR THE MOUTH - STATION NO. 05DC012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.12 B	0.850B	0.880B	4.36B	9.97	14.9	---	---	---	---	8.25E	2.90B	1
2	1.13 B	0.840B	1.07 B	4.55B	9.16	13.5	---	---	---	---	8.19E	2.81B	2
3	1.12 B	0.830B	1.13 B	4.72B	8.40	12.3	---	---	---	---	8.10E	2.73B	3
4	1.12 B	0.820B	1.19 B	4.87B	8.46	11.0	---	---	---	---	7.98E	2.65B	4
5	1.11 B	0.818B	1.25 B	4.87B	12.3 A	10.0	---	---	---	---	7.87A	2.57B	5
6	1.11 B	0.814B	1.32 B	5.06B	13.7 E	9.32	---	---	---	---	7.55B	2.50B	6
7	1.10 B	0.812B	1.40 B	5.12B	14.8 E	8.79	---	---	---	---	7.25B	2.43B	7
8	1.10 B	0.810B	1.47 B	5.14B	14.0 E	8.63	---	---	---	---	6.85B	2.36B	8
9	1.10 B	0.809B	1.54 B	5.05B	13.5 E	8.83	---	---	---	---	6.50B	2.30B	9
10	1.10 B	0.808B	1.61 B	4.85B	18.5 E	8.53	---	---	---	---	6.20B	2.25B	10
11	1.09 B	0.807B	1.67 B	4.50B	18.7 E	7.80	---	---	---	---	5.90B	2.20B	11
12	1.09 B	0.806B	1.73 B	4.30B	17.2 E	7.56	---	---	---	---	5.60B	2.15B	12
13	1.08 B	0.805B	1.81 B	4.12B	15.9 E	7.35	---	---	---	---	5.35B	2.10B	13
14	1.07 B	0.804B	1.88 B	4.00B	14.3 E	6.89	---	---	---	---	5.13B	2.06B	14
15	1.06 B	0.803B	1.95 B	3.98B	13.9 E	6.38	---	---	---	---	4.90B	2.03B	15
16	1.05 B	0.802B	2.01 B	4.00B	15.5 E	6.87	---	---	---	---	4.70B	1.98B	16
17	1.04 B	0.801B	2.07 B	4.04B	17.0 E	7.51	---	---	---	---	4.53B	1.95B	17
18	1.03 B	0.801B	2.14 B	4.10B	17.5 E	6.83	---	---	---	---	4.33B	1.92B	18
19	1.02 B	0.801B	2.20 B	4.17	16.5 E	7.62	---	---	---	---	4.18B	1.89B	19
20	1.01 B	0.800B	2.27 B	4.23	16.0 E	16.2	---	---	---	---	4.03B	1.87B	20
21	1.00 B	0.800B	2.34 B	4.43	15.0 E	16.1	---	---	---	---	3.88B	1.85B	21
22	0.990B	0.800B	2.40 B	4.81	30.0 E	12.4	---	---	---	---	3.76B	1.83B	22
23	0.970B	0.800B	2.47 B	5.52	41.9 A	8.84	---	---	---	---	3.63B	1.81B	23
24	0.950B	0.805B	2.53 B	5.83	38.1	7.68A	---	---	---	---	3.53B	1.78B	24
25	0.930B	0.810B	2.60 B	5.80	32.6	---	---	---	---	---	3.41B	1.77B	25
26	0.910B	0.820B	2.67 B	6.02	28.1	---	---	---	9.52A	---	3.34B	1.75B	26
27	0.900B	0.850B	2.81 B	6.87	25.6	---	---	---	---	---	3.26B	1.73B	27
28	0.891B	0.890B	3.00 B	10.1	22.7	---	---	---	---	---	3.17B	1.71B	28
29	0.880B		3.30 B	10.8	20.5	---	---	---	---	---	3.09B	1.70B	29
30	0.870B		3.80 B	10.9	18.6	---	---	---	---	---	2.99B	1.68B	30
31	0.860B		4.14 B		16.7		---	---	---	---		1.68B	31
TOTAL	31.811	22.814	64.780	163.10	573.09	---	---	---	---	---	157.44	64.85	TOTAL
MEAN	1.03	0.815	2.09	5.44	18.5	---	---	---	---	---	5.25	2.10	MEAN
MAX	1.13	0.890	4.14	10.9	41.9	---	---	---	---	---	8.25	2.90	MAX
MIN	0.860	0.800	0.880	3.98	8.40	---	---	---	---	---	2.99	1.68	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM INSTANTANEOUS, 543 ON JUL 16

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 38 56 N
LONG 115 04 27 W
DRAINAGE AREA, 1 350 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 750	JUL	---
FEB	1 970	AUG	---
MAR	5 600	SEP	---
APR	14 100	OCT	---
MAY	49 500	NOV	13 900
JUN	---	DEC	5 610

BARE CREEK RESERVOIR NEAR ELKWATER - STATION NO. 11AB094

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1136.538E	1137.212A	1137.063	1137.160	1137.037E	1136.631	1135.820	1137.210	---	---	1
2	---	---	1136.694E	1137.181	1137.062	1137.155	1137.033E	1136.633	1135.818	1137.204	---	---	2
3	---	---	1136.851E	1137.177	1137.056	1137.137	1137.030E	1136.632	1135.812	1137.194	---	---	3
4	---	1135.789A	1137.008E	1137.176	1137.067	1137.123	1137.028E	1136.628	1135.802	1137.188	---	---	4
5	---	1135.804E	1137.165E	1137.167	1137.086	1137.120	1137.025E	1136.626	1135.798	1137.181	---	---	5
6	---	1135.810E	1137.322A	1137.159	1137.085	1137.115	1137.022E	1136.624	1135.795	1137.175	---	---	6
7	---	1135.815E	1137.314E	1137.154	1137.081	1137.131	1137.019E	1136.626	1135.786	1137.166	---	---	7
8	1135.707A	1135.820E	1137.308E	1137.149	1137.072	1137.136	1137.017E	1136.623	1135.778	1137.154	---	---	8
9	---	1135.825E	1137.297E	1137.146	1137.076	1137.145	1137.018E	1136.617	1135.787	1137.150	---	---	9
10	---	1135.831E	1137.289E	1137.138	1137.081	1137.140	1137.012A	1136.615	1135.799	1137.144	---	---	10
11	---	1135.838E	1137.281E	1137.124	1137.082	1137.127	1137.010E	1136.615	1135.791	1137.130	---	---	11
12	---	1135.841E	1137.273E	1137.101	1137.076	1137.109	1136.999E	1136.615	1135.779	1137.127	---	---	12
13	---	1135.848E	1137.265E	1137.108	1137.071	1137.104	1136.851E	1136.610	1135.767	1137.127	---	---	13
14	---	1135.852E	1137.256E	1137.106	1137.073	1137.101	1136.900E	1136.610	1135.770	1137.126	---	---	14
15	---	1135.857E	1137.248E	1137.110	1137.111	1137.107	1136.849E	1136.604	1135.775	1137.123	---	---	15
16	---	1135.862E	1137.240E	1137.105	1137.115	1137.099	1136.798E	1136.597	1135.780	1137.121	---	---	16
17	---	1135.868E	1137.232A	1137.106	1137.180	1137.100	1136.748E	1136.595	1135.771	1137.120	---	---	17
18	---	1135.873E	1137.231E	1137.103	1137.267	1137.099	1136.695E	1136.588	1135.766	1137.116	---	---	18
19	---	1135.878E	1137.229E	1137.102	1137.364	1137.084	1136.655E	1136.507	1135.784	1137.111	---	---	19
20	---	1135.884E	1137.228E	1137.098	1137.379	1137.076	1136.651E	1136.404	1135.796	1137.110	---	---	20
21	---	1135.889E	1137.227E	1137.101	1137.357	1137.068	1136.649E	1136.213	1135.802	1137.108	---	---	21
22	---	1135.894E	1137.225E	1137.100	1137.369	1137.065	1136.649A	1136.232	1135.800	1137.106	---	---	22
23	---	1135.899E	1137.224E	1137.094	1137.373	1137.055	1136.641	1136.129	1135.796	1137.101	---	---	23
24	---	1135.905E	1137.223E	1137.088	1137.228	1137.063A	1136.643	1136.031A	1135.792	1137.101	---	---	24
25	---	1135.910A	1137.221E	1137.087	1137.287	1137.061E	1136.641	1135.940E	1136.489	1137.100	---	---	25
26	---	1136.067E	1137.220E	1137.086	1137.258	1137.057E	1136.636	1135.867A	1137.194	1137.101	---	---	26
27	---	1136.224E	1137.219E	1137.084	1137.235	1137.052E	1136.637	1135.856	1137.333	1137.099	---	---	27
28	1135.800A	1136.381E	1137.217E	1137.079	1137.220	1137.049E	1136.637	1135.852	1137.294	1137.099A	---	---	28
29	---		1137.215E	1137.069	1137.203	1137.045E	1136.635	1135.848	1137.256	1137.098E	---	---	29
30	---		1137.215E	1137.064	1137.192	1137.040E	1136.627	1135.838	1137.232	1137.096E	---	---	30
31	---		1137.213E		1137.175		1136.628	1135.825		1137.095E		---	31
MEAN	---	---	1137.183	1137.119	1137.175	1137.098	1136.823	1136.378	1135.059	1137.132	---	---	MEAN
MAX	---	---	1137.322	1137.212	1137.379	1137.160	1137.037	1136.633	1137.333	1137.210	---	---	MAX
MIN	---	---	1136.538	1137.064	1137.062	1137.040	1136.627	1135.825	1135.766	1137.095	---	---	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MAXIMUM DAILY, 1137.379 ON MAY 20
MINIMUM DAILY, 1135.707A ON JAN 8
MAXIMUM INSTANTANEOUS,
1137.390 AT 22:34 CST ON MAY 19

WATER LEVELS ARE REFERRED TO TOPOGRAPHIC SURVEY DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 26 05 N
LONG 110 23 45 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA
24.1 km²

BARRIER LAKE NEAR SEEBE - STATION NO. 05BF024

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1375.56	1376.08	1376.02	1375.56	1373.28	1373.15	1372.33	1373.03	1374.13	1374.50	1373.92	1373.70	1
2	1375.44	1376.11	1375.96	1375.47	1373.56	1373.12	1371.87	1372.97	1374.22	1374.43	1373.83	1373.84	2
3	1375.44	1375.81	1375.68	1375.44	1373.73	1373.08	1371.38	1372.87	1374.25	1374.37	1373.83	1373.76	3
4	1375.59	1375.81	1375.62	1375.35	1373.64	1373.00	1371.30	1372.94	1374.25	1374.43	1373.92	1373.49	4
5	1375.59	1375.78	1375.38	1375.50	1373.22	1372.79	1371.23	1372.97	1374.34	1374.56	1374.01	1373.55	5
6	1375.44	1375.75	1375.38	1375.41	1373.09	1372.70	1371.08	1373.12	1374.31	1374.56	1374.07	1373.45	6
7	1375.47	1375.59	1375.38	1375.01	1373.28	1372.88	1370.90	1373.26	1374.26	1374.58	1374.10	1373.34	7
8	1375.59	1375.80	1375.64	1374.89	1372.82	1372.88	1371.02	1373.34	1374.22	1374.50	1374.10	1373.12	8
9	1375.62	1375.96	1375.89	1374.92	1372.48	1372.85	1371.20	1373.43	1374.22	1374.37	1374.04	1373.08	9
10	1375.65	1375.65	1375.65	1374.86	1372.33	1372.82	1371.36	1373.52	1374.18	1374.25	1373.92	1373.03	10
11	1375.75	1375.65	1375.59	1374.80	1372.15	1372.78	1371.48	1373.58	1374.16	1374.28	1373.98	1373.12	11
12	1375.65	1375.65	1375.78	1375.23	1371.86	1372.78	1371.81	1373.64	1374.13	1374.31	1374.16	1373.12	12
13	1375.65	1375.59	1376.84	1375.38	1371.30	1372.70	1372.00	1373.76	1374.16	1374.31	1374.47	1373.06	13
14	1376.68	1375.86	1376.71	1375.04	1370.86	1372.67	1372.15	1373.83	1374.07	1374.26	1374.47	1372.85	14
15	1375.71	1375.81	1376.86	1374.89	1370.56	1372.78	1372.33	1373.89	1374.10	1374.18	1374.40	1372.64	15
16	1375.81	1376.81	1376.14	1374.80	1370.29	1372.73	1372.39	1373.89	1374.18	1374.13	1374.25	1372.54	16
17	1376.87	1375.38	1375.78	1374.74	1369.95	1372.67	1372.56	1373.86	1374.22	1374.04	1373.98	1372.51	17
18	1376.83	1376.17	1375.71	1374.62	1369.56	1372.70	1372.67	1373.78	1374.37	1374.22	1373.92	1372.35	18
19	1376.80	1375.01	1375.65	1374.59	1369.37	1372.67	1372.88	1373.78	1374.43	1374.40	1373.76	1372.27	19
20	1376.78	1374.95	1375.65	1374.34	1369.19	1372.61	1373.06	1373.70	1374.43	1374.37	1373.83	1372.24	20
21	1376.93	1374.95	1375.62	1373.95	1368.16	1372.54	1373.22	1373.67	1374.50	1374.25	1373.73	1372.06	21
22	1376.87	1376.35	1376.99	1373.89	1369.04	1372.51	1373.18	1373.67	1374.56	1373.95	1373.78	1371.45	22
23	1376.81	1376.35	1376.11	1373.78	1368.85	1372.45	1373.18	1373.67	1374.56	1373.78	1373.81	1371.30	23
24	1376.87	1376.04	1376.78	1373.73	1368.69	1372.24	1373.09	1373.67	1374.56	1373.92	1373.87	1371.25	24
25	1376.99	1376.17	1376.86	1373.64	1368.81	1372.15	1373.00	1373.64	1374.62	1374.04	1373.86	1371.36	25
26	1376.90	1376.41	1376.86	1373.86	1368.82	1372.27	1373.06	1373.67	1374.53	1373.92	1373.95	1371.33	26
27	1376.87	1376.86	1376.44	1373.78	1370.50	1372.38	1373.09	1373.58	1374.53	1373.78	1374.04	1371.30	27
28	1376.89	1376.87	1376.41	1373.52	1371.89	1372.42	1373.03	1373.58	1374.53	1373.78	1373.98	1371.28	28
29	1376.90		1376.84	1373.43	1372.73	1372.48	1373.18	1373.70	1374.53	1373.78	1374.19	1371.20	29
30	1376.93		1376.89	1373.37	1373.03	1372.51	1373.12	1373.88	1374.56	1373.86	1374.04	1371.08	30
31	1376.93		1376.86		1373.15		1373.06	1374.04		1373.89		1371.05	31
MEAN	1376.75	1376.57	1376.73	1374.58	1371.36	1372.68	1372.20	1373.55	1374.34	1374.18	1373.89	1372.44	MEAN
MAX	1376.99	1376.11	1376.14	1376.58	1373.73	1373.15	1373.22	1374.04	1374.62	1374.58	1374.47	1373.76	MAX
MIN	1376.44	1374.95	1375.38	1373.37	1368.69	1372.15	1370.90	1372.94	1374.07	1373.78	1373.81	1371.05	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MEAN, 1373.85
MAXIMUM DAILY, 1376.14 ON MAR 16
MINIMUM DAILY, 1368.69 ON MAY 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 01 59 N
LONG 115 02 29 W
DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REGULATED

DRAINAGE AREA
895 km²

BATTERSEA DRAIN NEAR THE MOUTH - STATION NO. 05AD038

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.002	0.200	0.380	0.474	0.488	0.363	0.018	---	1
2	---	---	---	---	0.003	0.381	0.418	0.380	0.377	0.287	0.024	---	2
3	---	---	---	---	0.003	0.319	0.421	0.295	0.257	0.274	0.040	---	3
4	---	---	---	---	0.013	0.456	0.319	0.239	0.197	0.261	0.035A	---	4
5	---	---	---	---	0.028	0.439	0.321	0.318	0.354	0.275	---	---	5
6	---	---	---	---	0.024	0.285	0.353	0.215	0.301	0.316	---	---	6
7	---	---	---	---	0.018	0.284	0.421	0.317	0.251	0.313	---	---	7
8	---	---	---	---	0.014	0.387	0.187	0.389	0.277	0.274	---	---	8
9	---	---	---	---	0.012	0.462	0.288	0.505	0.440	0.248	---	---	9
10	---	---	---	---	0.010	0.281	0.166	0.651	0.485	0.219	---	---	10
11	---	---	---	---	0.008	0.232	0.136	0.818	0.647	0.286	---	---	11
12	---	---	---	---	0.006	0.129	0.331	0.531	0.448	0.244	---	---	12
13	---	---	---	---	0.007	0.108	0.412	0.380	0.385	0.244	---	---	13
14	---	---	---	---	0.011	0.241	0.419	0.271	0.480	0.212	---	---	14
15	---	---	---	---	0.032	0.636	0.335	0.340	0.410	0.094	---	---	15
16	---	---	---	---	0.025	0.852	0.403	0.309	0.333	0.052	---	---	16
17	---	---	---	---	0.019	0.256	0.196	0.197	0.280	0.036	---	---	17
18	---	---	---	---	0.010	0.040	0.174	0.291	0.401	0.031	---	---	18
19	---	---	---	---	0.008	0.187	0.128	0.305	0.487	0.028	---	---	19
20	---	---	---	---	0.006	0.111	0.183	0.122	0.476	0.025	---	---	20
21	---	---	---	---	0.013	0.210	0.164	0.144	0.382	0.024	---	---	21
22	---	---	---	---	0.008	0.460	0.181	0.185	0.303	0.024	---	---	22
23	---	---	---	---	0.020	0.397	0.072	0.270	0.181	0.023	---	---	23
24	---	---	---	0.007A	0.034	0.062	0.125	0.263	0.159	0.024	---	---	24
25	---	---	---	0.005	0.043	0.300	0.184	0.243	0.278	0.024	---	---	25
26	---	---	---	0.004	0.041	0.408	0.322	0.138	0.618	0.024	---	---	26
27	---	---	---	0.004	0.042	0.225	0.490	0.144	0.547	0.023	---	---	27
28	---	---	---	0.004	0.060	0.188	0.478	0.378	0.444	0.023	---	---	28
29	---		---	0.003	0.218	0.228	0.555	0.317	0.411	0.026	---	---	29
30	---		---	0.002	0.128	0.637	0.519	0.389	0.408	0.027	---	---	30
31	---		---		0.161		0.421	0.486		0.031	---	---	31
TOTAL	---	---	---	---	1.018	9.195	9.473	10.280	11.529	4.307	---	---	TOTAL
MEAN	---	---	---	---	0.033	0.307	0.306	0.332	0.384	0.139	---	---	MEAN
MAX	---	---	---	---	0.216	0.638	0.555	0.818	0.647	0.353	---	---	MAX
MIN	---	---	---	---	0.002	0.040	0.072	0.122	0.159	0.021	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.249
MAXIMUM DAILY, 0.818 ON AUG 11
MINIMUM DAILY, 0.002 ON MAY 1

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 52 20 N
LONG 112 38 00 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	818
FEB	---	AUG	889
MAR	---	SEP	996
APR	---	OCT	372
MAY	88.0	NOV	---
JUN	794	DEC	---

TOTAL DISCHARGE, 3 860 dam³

BATTLE RIVER ABOVE PIPESTONE CREEK - STATION NO. 05PA023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2.508	9.788	2.35	7.84	1.04	10.0	3.75	1.52	---	---	1
2	---	---	4.808	11.7 B	2.02	6.65	0.910	10.1	3.67	1.84	---	---	2
3	---	---	4.708	10.2 B	3.23	5.05	0.930	9.91	3.49	1.51	---	---	3
4	---	---	4.008	9.36	2.39	5.84	0.855	10.1	3.34	1.84	---	---	4
5	---	---	3.308	8.71	2.75	5.22	0.823	9.83	3.38	1.81	---	---	5
6	---	---	1.708	8.08	2.75	4.75	0.689	9.85	3.30	1.89	---	---	6
7	---	---	1.278	7.43	2.89	4.31	0.559	9.03	3.26	1.77	---	---	7
8	---	---	2.518	7.05	3.08	4.26	0.712	8.77	3.24	1.87	---	---	8
9	---	---	3.378	6.43	2.81	3.70	0.848	8.29	3.14	2.04	---	---	9
10	---	---	3.588	6.10	2.89	3.36	0.805	8.29	3.07	2.07	---	---	10
11	---	---	3.273	5.77	2.84	3.14	0.698	8.14	2.13	1.91	---	---	11
12	---	---	3.068	5.40	2.85	2.32	0.850	7.71	1.95	2.16	---	---	12
13	---	---	2.888	5.13	2.83	2.66	0.745	7.24	1.84	2.18	---	---	13
14	---	---	2.618	4.89	3.73	2.68	0.806	6.91	1.82	2.17	---	---	14
15	---	---	3.058	4.85	4.48	3.67	0.572	6.48	1.89	2.18	---	---	15
16	---	---	3.278	4.35	4.78	2.58	0.650	6.01	1.85	2.22	---	---	16
17	---	---	4.308	4.14	5.28	2.40	1.36	5.82	1.73	2.21	---	---	17
18	---	---	4.858	3.80	6.10	2.17	1.76	5.67	1.64	2.16	---	---	18
19	---	---	5.688	3.47	7.92	2.21	1.85	5.26	1.89	2.17	---	---	19
20	---	---	6.138	3.43	8.82	1.81	1.55	4.80	1.54	2.20	---	---	20
21	---	---	5.718	3.33	11.3	1.60	1.82	4.80	1.49	2.20	---	---	21
22	---	---	4.618	3.25	11.2	1.52	2.07	4.54	1.42	2.16	---	---	22
23	---	---	4.558	3.32	11.7	1.50	4.24	4.38	1.36	2.20	---	---	23
24	---	---	4.148	3.02	12.4	1.50	5.53	4.14	1.32	2.23	---	---	24
25	---	---	5.288	3.22	12.3	1.37	6.95	3.88	1.53	2.13	---	---	25
26	---	---	5.088	3.29	12.1	1.40	8.07	3.78	1.65	2.11	---	---	26
27	---	---	6.238	3.33	11.5	1.18	8.88	3.58	1.44	2.11	---	---	27
28	---	---	5.588	3.38	10.6	1.12	9.64	3.36	1.28	2.00	---	---	28
29	---		6.278	2.98	9.88	1.14	9.88	3.20	1.34	2.22A	---	---	29
30	---		7.188	2.48	9.13	1.13	9.73	3.02	1.38	2.20E	---	---	30
31	---		7.188		8.29		9.87	2.84		2.20E		---	31
TOTAL	---	---	131.85	161.48	189.24	89.84	95.202	189.82	55.95	62.59	---	---	TOTAL
MEAN	---	---	4.25	5.38	6.43	3.00	3.10	6.46	1.87	2.02	---	---	MEAN
MAX	---	---	7.15	11.7	12.4	7.84	9.88	10.1	2.75	2.23	---	---	MAX
MIN	---	---	1.27	3.43	2.35	1.12	0.559	2.84	1.28	1.51	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.07
MAXIMUM DAILY, 12.4 ON MAY 24
MINIMUM DAILY, 0.559 ON JUL 7

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 57 31 N
LONG 113 10 20 W
DRAINAGE AREA, 2 800 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8 310
FEB	---	AUG	17 200
MAR	11 400	SEP	4 630
APR	14 000	OCT	5 410
MAY	17 200	NOV	---
JUN	7 770	DEC	---

TOTAL DISCHARGE, 85 100 dam³

BATTLE RIVER NEAR FORESTBURG - STATION NO. 05PC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	7.318	19.2	7.37	13.4	2.22	4.56	5.80E	3.57	2.93	---	1
2	---	---	10.5 B	18.9	6.23	12.3	2.13	4.84	5.78E	3.88	3.03	---	2
3	---	---	9.420	19.9	4.70	11.7	2.07	4.94	5.70E	3.48	3.08	---	3
4	---	---	7.778	20.6	5.58	10.8	1.99	7.16	5.64E	3.35	2.92	---	4
5	---	---	5.508	21.0	5.48	9.81	2.02	5.85	5.58E	3.26	2.82	---	5
6	---	---	5.308	21.0	5.18	9.17	2.10	5.97	5.45E	3.28	2.83A	---	6
7	---	---	5.388	20.1	4.92	8.59	2.22	6.26	5.10E	3.17	---	---	7
8	---	---	5.368	18.9	4.43	7.84	2.22	6.50	4.76A	3.12	---	---	8
9	---	---	5.368	17.1	4.24	6.97	2.07	6.72	4.48	3.07	---	---	9
10	---	---	5.428	16.8	4.21	6.52	2.06	7.01	4.32	3.04	---	---	10
11	---	---	5.608	16.3	4.80	6.30A	2.80	7.11	4.32	3.01	---	---	11
12	---	---	5.808	15.4	4.50	5.27	2.14	7.18A	4.34	3.10	---	---	12
13	---	---	5.908	14.1	4.35	5.80	2.08	7.40E	4.13	3.03	---	---	13
14	---	---	6.038	13.1	6.81	4.85	2.07	7.49E	4.02	2.81	---	---	14
15	---	---	6.158	12.1	11.5	4.12	1.93	7.49E	3.90	2.92	---	---	15
16	---	---	6.238	11.4	14.7	3.61	1.87	7.45E	3.71	2.88	---	---	16
17	---	---	6.608	11.0 A	10.0	3.45	3.62	7.40E	3.59	2.84	---	---	17
18	---	---	6.538	10.7 A	8.85	3.24	3.21	7.40E	3.48	2.79	---	---	18
19	---	---	7.138	10.3	8.90	3.13	2.87	7.38E	3.36	2.84	---	---	19
20	---	---	9.268	9.55	9.12	3.18	2.53	7.35E	3.28	2.78	---	---	20
21	---	---	9.488	8.85	9.04	3.15	2.49	7.34E	3.19	2.76	---	---	21
22	---	---	9.078	8.63	10.5	3.06	2.40	7.22E	3.05	2.71	---	---	22
23	---	---	10.1 B	8.30	12.8	3.06	2.42	7.18E	2.99	2.75	---	---	23
24	---	---	11.5 B	8.21	12.8	2.91	2.47	7.08E	2.95	2.76	---	---	24
25	---	---	11.0 B	7.19	12.5	2.70	2.58	6.84E	2.89	2.70	---	---	25
26	---	---	11.6 B	6.41	12.8	2.62	2.95	6.70E	3.84	2.74	---	---	26
27	---	0.2708	17.1 B	6.10	12.8	2.57	3.02	6.42E	3.77	2.74	---	---	27
28	---	3.26 B	23.3	5.40	13.7	2.56	3.06	6.25E	3.41	2.77	---	---	28
29	---		31.4	6.48	14.6	2.44	4.19	6.08E	3.28	2.81	---	---	29
30	---		36.1	7.25	14.5	2.31	4.14	5.00E	3.36	2.85	---	---	30
31	---		20.2		14.1		4.18	5.90E		2.78		---	31
TOTAL	---	---	325.80	390.32	274.61	167.83	80.99	206.47	123.54	92.91	---	---	TOTAL
MEAN	---	---	10.5	13.0	8.86	5.59	2.61	6.66	4.12	3.00	---	---	MEAN
MAX	---	---	36.1	21.0	14.7	13.4	4.19	7.49	5.80	3.88	---	---	MAX
MIN	---	---	5.36	5.40	4.21	2.31	1.93	4.56	2.95	2.70	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.78
MAXIMUM DAILY, 36.1 ON MAR 30
MINIMUM DAILY, 1.93 ON JUL 15
MAXIMUM INSTANTANEOUS,
41.5 AT 09:15 MST ON MAR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 34 23 N
LONG 112 20 46 W
DRAINAGE AREA, 7 680 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1972

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7 000
FEB	---	AUG	17 800
MAR	25 100	SEP	10 700
APR	33 700	OCT	8 030
MAY	23 700	NOV	---
JUN	14 500	DEC	---

TOTAL DISCHARGE, 144 000 dam³

BATTLE RIVER NEAR PONOKA - STATION NO. 05PA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2218	0.2008	5.388	4.288	2.87	3.86	0.424	10.6	0.460	2.52	1.11	0.6238	1
2	0.2228	0.2008	10.1 B	4.068	3.24	3.32	0.408	6.83	0.431	2.79	1.42	0.6108	2
3	0.2238	0.2008	12.3 B	3.088	3.18	2.83	0.396	7.15	0.407	3.50	1.61	0.6108	3
4	0.2248	0.2008	13.0 B	3.318	2.90	2.61	0.451	8.51	0.388	4.85	1.63	0.5778	4
5	0.2268	0.2008	11.4 B	3.428	2.83	2.39	0.500	8.17	0.388	4.02	1.80	0.5748	5
6	0.2278	0.1958	6.058	3.55	2.86	2.37	0.508	8.51	0.374	3.93	1.57 B	0.5868	6
7	0.2288	0.1908	4.458	3.25	3.07	2.17	0.504	8.70	0.384	5.13	1.34 B	0.5808	7
8	0.2298	0.1858	2.938	2.98	2.97	2.04	0.510	9.85	0.371	3.68	1.23 B	0.5678	8
9	0.2288	0.1818	3.188	2.84	2.83	1.88	0.571	7.85	0.360	3.19	1.13 B	0.5858	9
10	0.2268	0.1768	3.488	2.79	2.69	1.78	0.610	8.34	0.343	2.74	1.02 B	0.5388	10
11	0.2258	0.1718	3.118	2.65	2.63	1.67	0.641	8.07	0.369	2.38	0.8258	0.5578	11
12	0.2238	0.1688	2.588	2.33	2.85	1.30	1.80	6.02	0.390	2.25	0.6928	0.5508	12
13	0.2228	0.1618	2.208	2.01	3.08	1.17	2.62	3.44	0.405	2.13	0.6378	0.5508	13
14	0.2218	0.1588	1.978	1.67	4.66	1.11	2.17	2.06	0.418	2.04	0.5988	0.5428	14
15	0.2198	0.1518	1.888	1.49	6.56	1.29	1.99	2.70	0.484	1.88	0.6048	0.5388	15
16	0.2188	0.1478	1.908	1.55	14.1	1.22	2.05	2.42	0.576	1.83	0.6038	0.4898	16
17	0.2168	0.1428	1.988	1.64	21.3	1.28	4.89	2.20	0.556	1.78	0.6288	0.4818	17
18	0.2158	0.1378	2.048	1.66	24.4	1.34	10.2	1.89	0.522	1.58	0.6898	0.4848	18
19	0.2138	0.1328	2.318	1.85	25.8	1.34	21.2	1.74	0.495	1.47	0.7388	0.4798	19
20	0.2128	0.1258	3.648	2.53	24.6	1.25	31.2	1.51	0.475	1.35	0.7278	0.4688	20
21	0.2118	0.1208	6.898	2.30	18.3	1.07	45.7	1.38	0.475	1.31	0.7428	0.4608	21
22	0.2108	0.1258	8.878	2.17	14.6	0.825	39.8	1.15	0.514	1.29	0.7498	0.4588	22
23	0.2088	0.1358	9.358	2.03	13.2	0.837	36.8	0.822	0.828	1.22	0.7618	0.4678	23
24	0.2078	0.1688	7.438	1.95	12.3	0.792	32.1	0.750	0.387	1.16	0.7588	0.4598	24
25	0.2068	0.1778	5.128	2.13	10.8	0.682	16.1	0.638	0.458	1.18	0.7418	0.4488	25
26	0.2048	0.1938	4.178	2.07	9.27	0.633	15.8	0.577	0.705	1.14	0.7348	0.4578	26
27	0.2038	0.4388	4.488	1.88	8.00	0.591	14.8	0.528	0.921	1.11	0.7338	0.4558	27
28	0.2018	0.8278	5.288	1.81	8.92	0.547	13.6	0.497	1.47	1.09	0.7078	0.4418	28
29	0.2008		5.948	1.87	8.04	0.496	12.3	0.486	2.38	1.09	0.6798	0.4318	29
30	0.2008		6.848	2.03	6.25	0.473	12.6	0.466	2.37	1.15	0.6428	0.4618	30
31	0.2008		4.978		4.86		12.8	0.481		1.10		0.4618	31
TOTAL	5.886	5.896	185.04	73.20	271.03	45.276	321.044	114.448	19.108	67.85	27.858	15.905	TOTAL
MEAN	0.218	0.200	5.32	2.44	8.74	1.51	10.4	3.89	0.637	2.19	0.922	0.513	MEAN
MAX	0.228	0.827	13.0	4.28	25.8	3.86	45.7	10.6	2.38	5.13	1.63	0.623	MAX
MIN	0.200	0.130	1.88	1.49	2.83	0.473	0.396	0.466	0.343	1.09	0.599	0.431	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.10
MAXIMUM DAILY, 45.7 ON JUL 21
MINIMUM DAILY, 0.1208 ON FEB 21
MAXIMUM INSTANTANEOUS,
47.8 AT 13:55 MST ON JUL 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 38 44 N
LONG 113 34 56 W
DRAINAGE AREA, 1 840 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	576	JUL	27 700
FEB	483	AUG	9 890
MAR	14 300	SEP	1 650
APR	8 320	OCT	5 880
MAY	23 400	NOV	2 390
JUN	3 810	DEC	1 370

TOTAL DISCHARGE, 87 900 dam³

BATTLE RIVER NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 05PE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2478	0.4748	0.5158	38.08	11.7 A	14.3	5.97	15.1	6.83	5.38	4.458	3.868	1
2	0.2408	0.4988	1.09 B	48.08	11.1	14.2	5.75	17.3	6.70	5.44	4.288	3.708	2
3	0.2318	0.5240	1.44 B	56.28	10.7	14.6	5.84	19.9	6.66	5.70	4.428	3.518	3
4	0.2538	0.5508	1.27 B	51.08	10.4	15.0	6.31	23.3	6.50	5.98	5.468	3.478	4
5	0.3388	0.5678	1.78 B	46.08	10.3	15.1	6.24	21.7	6.41	5.94	5.34	3.448	5
6	0.3988	0.5588	5.93 B	41.08	10.1	14.8	5.28	19.4	6.20	5.72	4.76	3.348	6
7	0.4548	0.5328	5.04 B	32.6A	10.1	14.4	5.14	16.9	6.06	5.81	4.588	3.298	7
8	0.5078	0.5118	4.68 B	33.8	9.98	13.8	5.01	15.2	6.11	5.77	4.018	3.108	8
9	0.5188	0.5218	7.80 B	32.6	9.28	13.0	4.88	14.3	6.22	5.92	4.288	3.008	9
10	0.5778	0.5088	12.0 B	32.0	8.87	12.6	5.05	13.8	5.96	5.89	4.048	2.958	10
11	0.5918	0.5588	13.2 B	31.3	8.83	11.7	5.06	13.1	5.96	5.38	3.778	2.958	11
12	0.5938	0.6208	14.8 B	29.3	8.65	10.9	5.17	12.2	6.46	5.87	3.668	1.958	12
13	0.5648	0.5728	14.4 B	27.5	8.40	10.6	5.28	11.1	6.20	5.61	3.158	1.958	13
14	0.6258	0.5818	12.6 B	25.8A	8.10	10.1	5.13	10.7	6.06	5.45	2.938	1.908	14
15	0.6018	0.5788	10.0 B	26.8E	7.80	9.44	5.04	10.1	5.99	5.25	3.058	1.848	15
16	0.5688	0.6338	9.00 B	29.2E	7.87	9.07	5.86	9.88	5.86	5.46	3.128	1.838	16
17	0.5398	0.6128	8.78 B	29.0E	8.22	8.84	6.07	9.88	5.87	5.46	3.288	1.928	17
18	0.4788	0.5878	8.78 B	28.0E	8.71	8.22	6.01	9.61	5.97	5.20	3.388	1.928	18
19	0.4498	0.5688	8.83 B	33.0E	9.10	14.4	7.80	9.15	6.70	5.10	3.208	1.928	19
20	0.4418	0.5948	9.05 B	30.6E	11.3	13.5	7.11	8.87	6.43	5.18	3.078	1.778	20
21	0.5238	0.5978	9.38 B	30.0E	10.8	13.5	6.48	8.58	5.21	5.12	3.238	1.988	21
22	0.5488	0.6628	9.56 B	19.4E	10.7	11.7	6.31	8.28	5.05	5.06	3.228	1.518	22
23	0.5548	0.5518	9.80 B	18.8E	17.0	10.7	10.4	8.18	5.05	4.94	3.188	1.518	23
24	0.4988	0.5278	11.8 B	18.3E	15.3	9.81	15.0	8.20	5.01	4.82	3.138	1.438	24
25	0.4228	0.5078	12.0 B	17.2E	14.4	8.50	14.2	7.84	4.81	4.83	3.138	1.388	25
26	0.4018	0.5118	14.6 B	15.4E	14.1	7.81	12.2	7.68	4.88	4.78	2.888	1.338	26
27	0.3898	0.4678	17.8 B	14.2E	13.4	7.10	12.1	7.56	5.04	4.72	2.828	1.278	27
28	0.3568	0.5368	21.0 B	13.6E	13.5	7.06	13.0	7.50	5.21	4.78	2.838	1.388	28
29	0.4088		24.0 B	13.9E	14.5	8.44	13.3	7.46	5.73	4.74	2.878	1.388	29
30	0.4318		28.0 B	12.4A	15.0	8.17	12.0	7.33	5.41	4.68	2.988	1.388	30
31	0.4888		32.0 B		14.5		13.2	7.07		4.648		1.258	31
TOTAL	14.231	15.480	342.335	844.0	358.82	337.06	242.58	370.83	174.78	167.71	108.82	68.37	TOTAL
MEAN	0.459	0.552	11.0	28.1	11.5	11.2	7.83	12.0	5.83	5.41	3.63	1.88	MEAN
MAX	0.625	0.833	32.0	56.2	18.7	15.1	15.0	23.7	6.83	5.92	5.46	3.86	MAX
MIN	0.231	0.474	0.515	12.4	7.80	8.17	4.84	7.07	4.81	4.64	2.93	1.25	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.31
MAXIMUM DAILY, 56.28 ON APR 3
MINIMUM DAILY, 0.2318 ON JAN 3

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 51 23 N
LONG 110 01 06 W
DRAINAGE AREA, 25 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1973

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 230	JUL	21 000
FEB	1 340	AUG	32 000
MAR	29 600	SEP	15 100
APR	72 900	OCT	14 500
MAY	30 800	NOV	9 400
JUN	29 100	DEC	5 940

TOTAL DISCHARGE, 262 000 dam³

BEAR CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.236	0.118	0.032	0.187	0.001	0	0	0	---	---	1
2	---	---	0.187	0.108	0.025	0.163	0	0	0	0	---	---	2
3	---	---	0.152	0.096	0.024	0.132	0	0	0	0	---	---	3
4	---	---	0.123	0.087	0.047	0.117	0	0	0	0	---	---	4
5	---	---	0.110	0.075	0.205	0.095	0	0	0	0	---	---	5
6	---	---	0.100	0.066	0.307	0.086	0	0	0	0	---	---	6
7	---	---	0.104	0.054	0.302	0.082	0	0	0	0	---	---	7
8	---	---	0.095	0.047	0.209	0.088	0	0	0	0	---	---	8
9	---	---	0.071	0.048	0.183	0.106	0	0	0	0	---	---	9
10	---	---	0.059	0.043	0.184	0.104	0	0	0	0	---	---	10
11	---	---	0.046	0.038	0.185	0.088	0	0	0	0	---	---	11
12	---	---	0.053	0.041	0.181	0.083	0	0	0	0	---	---	12
13	---	---	0.079	0.048	0.182	0.084	0	0	0	0	---	---	13
14	---	---	0.050	0.048	0.145	0.086	0	0	0	0	---	---	14
15	---	---	0.066	0.073	0.182	0.085	0	0	0	0	---	---	15
16	---	---	0.085	0.110	0.181	0.081	0	0	0	0	---	---	16
17	---	---	0.067	0.118	0.208	0.072	0	0	0	0	---	---	17
18	---	---	0.062	0.139	0.222	0.064	0	0	0	0	---	---	18
19	---	---	0.060	0.103	0.191	0.053	0	0	0	0	---	---	19
20	---	---	0.137	0.084	0.178	0.046	0	0	0	0	---	---	20
21	---	---	0.126	0.075	0.178	0.033	0	0	0	0	---	---	21
22	---	---	0.187	0.062	0.448	0.013	0	0	0	0	---	---	22
23	---	---	0.199	0.054	1.18	0.016	0	0	0	0	---	---	23
24	---	0.9869	0.183	0.055	1.04	0.009	0	0	0	0	---	---	24
25	---	3.83	0.142	0.057	0.743	0.005	0	0	0	0	---	---	25
26	---	1.84	0.120	0.064	0.826	0.004	0	0	0	0	---	---	26
27	---	0.588	0.109	0.089	0.486	0.003	0	0	0	0	---	---	27
28	---	0.348	0.104	0.080	0.384	0.002	0	0	0	0A	---	---	28
29	---		0.111	0.080	0.332	0.003	0	0	0	0E	---	---	29
30	---		0.120	0.060	0.274	0.002	0	0	0	0E	---	---	30
31	---		0.124		0.234		0	0		0E		---	31
TOTAL	---	---	3.437	2.121	8.283	1.881	0.001	0	0	0	---	---	TOTAL
MEAN	---	---	0.111	0.071	0.288	0.063	0	0	0	0	---	---	MEAN
MAX	---	---	0.235	0.139	1.18	0.187	0.001	0	0	0	---	---	MAX
MIN	---	---	0.039	0.038	0.024	0.002	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.088
MAXIMUM DAILY, 1.18 ON MAY 23
MINIMUM DAILY, 0 ON JUL 2
MAXIMUM INSTANTANEOUS,
3.88 AT 13:05 MST ON FEB 25

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 30 N
LONG 111 12 48 W
DRAINAGE AREA, 47.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.09
FEB	---	AUG	0
MAR	207	SEP	0
APR	183	OCT	0
MAY	663	NOV	---
JUN	169	DEC	---

TOTAL DISCHARGE, 1 450 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

BEAR CREEK NEAR VALHALLA CENTRE - STATION NO. 07GE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.4008	3.96 B	0.690	0.138	0	0	0	0	---	---	1
2	---	---	0.8008	3.31 B	0.84*	0.312	0	0	0	0	---	---	2
3	---	---	1.50 B	3.01 B	0.807	0.128	0	0	0	0	---	---	3
4	---	---	2.40 B	3.20 B	0.841	0.044	0	0	0	0	---	---	4
5	---	---	1.80 B	3.38	1.37	0.024	0	0	0	0	---	---	5
6	---	---	1.13 B	2.86	1.17	0.018	0	0	0	0	---	---	6
7	---	---	0.6008	2.36	1.13	0.010E	0	0	0	0	---	---	7
8	---	---	0.3008	2.02	0.845	0.006E	0	0	0	0	---	---	8
9	---	---	0.2508	1.63	0.788	0.002E	0	0	0	0	---	---	9
10	---	---	0.4508	1.43 A	0.626	0.001E	0	0	0	0	---	---	10
11	---	---	0.2508	1.05 E	0.527	0	0	0	0	0	---	---	11
12	---	---	0.1808	0.740E	0.428	0	0	0	0	0	---	---	12
13	---	---	0.1088	0.508E	0.382	0	0	0	0	0	---	---	13
14	---	---	0.0608	0.430E	0.495	0	0	0	0	0	---	---	14
15	---	---	0.0508	0.402A	0.486	0	0	0	0	0	---	---	15
16	---	---	0.0488	0.374	0.800	0	0	0	0	0	---	---	16
17	---	0 B	0.0388	0.631	0.837	0	0	0	0	0	---	---	17
18	---	0 B	0.0288	0.885	0.813	0	0	0	0	0	---	---	18
19	---	0 B	0.1008	1.47	0.778	0	0	0	0	0	---	---	19
20	---	0 B	0.3008	1.31	0.894	0	0	0	0	0	---	---	20
21	---	0 B	0.8508	1.06	0.984	0	0	0	0	0	---	---	21
22	---	0 B	1.00 B	0.893	0.485	0	0	0	0	0	---	---	22
23	---	0 B	0.9008	0.713	0.420	0	0	0	0	0	---	---	23
24	---	0.0018	0.5508	0.576	0.341	0	0	0	0	0	---	---	24
25	---	0.0108	0.4008	0.488	0.310	0	0	0	0	0	---	---	25
26	---	0.0508	0.6528	0.418	0.288	0	0	0	0	0	---	---	26
27	---	0.2008	2.84 B	0.388	0.257	0	0	0	0	0	---	---	27
28	---	0.6008	10.2 B	0.340	0.240	0	0	0	0	0	---	---	28
29	---		14.0 B	0.472	0.209	0	0	0	0	0	---	---	29
30	---		8.20 B	0.547	0.186	0	0	0	0	0	---	---	30
31	---		5.42 B		0.193		0	0		0		---	31
TOTAL	---	---	97.175	40.878	18.128	0.670	0	0	0	0	---	---	TOTAL
MEAN	---	---	1.84	1.36	0.585	0.022	0	0	0	0	---	---	MEAN
MAX	---	---	14.0	3.96	1.37	0.312	0	0	0	0	---	---	MAX
MIN	---	---	0.038	0.340	0.152	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.677
MAXIMUM DAILY, 14.08 ON MAR 28
MINIMUM DAILY, 0 ON JUN 11
MAXIMUM INSTANTANEOUS,
17.88 AT 21 30 MST ON MAR 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 24 02 N
LONG 119 22 53 W
DRAINAGE AREA, 181 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	4 840	SEP	0
APR	3 530	OCT	0
MAY	1 570	NOV	---
JUN	57.9	DEC	---

TOTAL DISCHARGE, 10 100 dam³

BEAR LAKE NEAR CLAIRMONT - STATION NO. 07GE004

DAILY WATER LEVEL IN METRES FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	28.142	---	---	1
2	---	---	---	---	29.013	---	28.924	28.424	---	28.142	---	---	2
3	---	---	---	28.643	29.022	28.872	28.920	---	---	28.141	---	---	3
4	---	---	---	---	29.022	---	---	---	28.094	---	---	---	4
5	---	---	---	---	29.022	28.852	---	---	28.094	---	---	---	5
6	---	---	---	---	---	28.851	---	---	28.092	---	---	---	6
7	---	---	---	---	---	---	---	28.383	---	---	---	---	7
8	---	---	---	28.642	29.041	28.851	---	---	---	---	---	---	8
9	---	---	---	---	29.041	---	---	28.353	---	28.141	---	---	9
10	---	---	---	---	---	---	---	28.353	28.078	28.140	---	---	10
11	---	---	---	---	29.060	---	---	---	---	28.140	---	---	11
12	---	---	---	---	---	28.878	---	---	28.082	---	---	---	12
13	---	---	---	---	---	28.868	---	---	28.080	---	---	---	13
14	---	---	---	---	---	---	---	28.313	---	28.130	---	---	14
15	---	---	---	28.774	29.088	---	---	28.283	---	---	---	---	15
16	---	---	---	---	29.088	---	---	28.283	---	28.120	---	---	16
17	---	28.844	28.174	---	---	---	---	---	---	28.119	---	---	17
18	---	---	---	---	29.086	28.837	---	---	---	---	---	---	18
19	---	---	---	---	29.087	---	---	---	---	---	---	---	19
20	---	---	---	---	29.078	28.837	---	---	---	---	---	---	20
21	---	---	---	---	29.087	28.788	---	---	---	---	---	---	21
22	---	---	---	---	---	28.736	---	28.284	28.141	28.109	---	---	22
23	---	---	---	---	---	28.750	---	---	28.143	28.109	---	---	23
24	---	---	---	---	29.086	---	---	---	---	28.118	---	---	24
25	---	---	---	28.855	---	28.695	---	28.232	28.143	---	---	---	25
26	---	---	---	---	---	28.695	---	28.232	---	---	---	---	26
27	---	---	---	---	29.076	---	---	28.117	---	28.148	---	---	27
28	---	---	---	---	29.074	---	28.677	28.222	---	---	---	---	28
29	---	---	---	---	29.074	---	---	---	28.152	---	---	---	29
30	---	---	---	---	---	---	28.654	---	28.152	---	---	---	30
31	---	---	---	---	---	---	---	28.112	---	---	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 10 10 N
LONG 118 58 30 W

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

DRAINAGE AREA,
1 190 km²

BEAR RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	08	0 B	0.300B	7.14B	5.87	5.50	3.01	2.00	0.894	0.616	0.489B	0.321B	1
2	08	0 B	0.350B	5.30B	6.00	5.32	3.05	1.95	0.939	0.592	0.542B	0.290B	2
3	08	0 B	0.450B	6.51B	6.36	5.08	2.92	1.90	0.886	0.582	0.546B	0.274B	3
4	08	0 B	0.840B	8.05B	6.72	5.01	2.88	1.90	0.799	0.606	0.535B	0.248B	4
5	08	0 B	0.650B	11.3 B	8.01	5.00	2.81	1.85	0.801	0.705	0.514B	0.230B	5
6	08	0 B	0.380B	13.3 B	10.4	4.85	2.74	1.78	0.789	0.696	0.503B	0.240B	6
7	08	0 B	0.210B	12.5 B	11.8	4.74	2.70	1.72	0.773	0.642	0.440B	0.252B	7
8	08	0 B	0.140B	11.9 B	11.6	4.77	2.64	1.67	0.761	0.489	0.340B	0.242B	8
9	08	0 B	0.200B	11.5	10.4	4.57	2.61	1.60	0.726	0.558	0.270B	0.240B	9
10	08	0 B	0.220B	8.13A	9.10	4.40	2.57	1.55	0.725	0.502	0.230B	0.292B	10
11	08	0 B	0.080B	5.44A	8.39	4.38	2.54	1.51	0.721	0.453	0.228B	0.294B	11
12	08	0 B	0.010B	4.73	7.76	4.23	2.49	1.51	0.641	0.448	0.235B	0.272B	12
13	08	0 B	0 B	4.55	7.38	4.10	2.43	1.44	0.610	0.459	0.250B	0.250B	13
14	08	0 B	0 B	4.35	7.53	3.96	2.40	1.52	0.617	0.436	0.290B	0.225B	14
15	08	0 B	0 B	4.30	7.88	3.83	2.49	1.42	0.855	0.451	0.285B	0.200B	15
16	08	0 B	0 B	4.45	7.92	3.80	2.45	1.22	0.898	0.412	0.280B	0.190B	16
17	08	0 B	0 B	4.89	8.65	3.68	2.45	1.17	0.675	0.412	0.270B	0.140B	17
18	08	0 B	0 B	7.14	9.25	3.78	2.45	1.14	0.654	0.485	0.260B	0.150B	18
19	08	0 B	0.001B	6.95	8.99	3.96	2.39	1.17	0.647	0.459	0.265B	0.150B	19
20	08	0 B	0.002B	6.63	8.32	3.82	2.33	1.08	0.642	0.436	0.275B	0.140B	20
21	08	0 B	0.020B	7.05	7.58	3.79	2.27	1.04	0.625	0.440	0.280B	0.145B	21
22	08	0 B	0.210B	7.17	7.18	3.64	2.22	1.06	0.634	0.451	0.280B	0.150B	22
23	08	0 B	0.180B	6.74	6.89	3.63	2.30	1.08	0.616	0.452	0.306B	0.158B	23
24	08	0 B	0.120B	6.37	6.65	3.57	2.31	1.10	0.614	0.453	0.340B	0.160B	24
25	08	0 080B	0.050B	5.94	6.49	3.48	2.27	0.961	0.668	0.458	0.363B	0.170B	25
26	08	0.120B	0.280B	5.73	6.35	3.39	2.23	0.949	0.640	0.456	0.383B	0.175B	26
27	08	0.100B	2.00 B	5.59	6.21	3.26	2.18	0.914	0.724	0.483	0.347B	0.170B	27
28	08	0.500B	4.85 B	5.49	6.07	3.17	2.17	0.896	0.631	0.446	0.348B	0.185B	28
29	08		8.14 B	5.89	6.18	3.11	2.11	0.912	0.587	0.457	0.318B	0.180B	29
30	08		9.50 B	6.26	5.90	3.06	2.05	0.908	0.608	0.426	0.329B	0.180B	30
31	08		8.57 B		5.55		2.03	0.815		0.381B		0.140B	31
TOTAL	0	0.800	37.785	211.40	239.49	123.27	76.50	41.745	20.859	15.217	10.346	8.418	TOTAL
MEAN	0	0.029	1.22	7.05	7.73	4.11	2.47	1.35	0.695	0.491	0.345	0.207	MEAN
MAX	0	0.500	9.50	13.3	11.8	5.50	3.05	2.00	0.939	0.705	0.546	0.321	MAX
MIN	0	0	0	4.30	5.55	3.06	2.03	0.815	0.587	0.381	0.225	0.140	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.15
MAXIMUM DAILY, 13.3B ON APR 6
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
13.9B AT 09:00 MST ON APR 6

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 12 00 N
LONG 118 50 08 W
DRAINAGE AREA, 1 510 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	0	JUL	5 610
FEB	89.1	AUG	3 610
MAR	3 280	SEP	1 810
APR	18 300	OCT	1 310
MAY	20 700	NOV	894
JUN	10 700	DEC	555

TOTAL DISCHARGE, 67 800 dam³

BEARBERRY CREEK NEAR SUNDRE - STATION NO. 05CA011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.452B	0.445	0.812	11.5	1.17	0.868	5.13	---	---	1
2	---	---	---	0.400B	0.389	0.798	5.53	1.71	0.672	5.55	---	---	2
3	---	---	1.82 B	0.396B	0.370	0.893	3.58	1.43	0.881	4.75	---	---	3
4	---	---	---	0.432B	1.04	0.618	2.80	1.38	1.18	3.86	---	---	4
5	---	---	1.13 B	0.481B	9.23	0.514	2.21	1.30	1.88	3.03	---	---	5
6	---	---	---	0.542B	6.32	0.591	2.32	1.83	1.71	2.59	---	---	6
7	---	---	---	0.630B	4.10	0.683	1.80	1.89	1.08	2.24	---	---	7
8	---	---	---	0.718B	2.85	0.930	1.47	1.58	0.945	2.45	---	---	8
9	---	---	---	0.752A	2.76	2.01	1.32	1.47	0.733	2.41	---	---	9
10	---	---	---	0.744B	3.01	1.27	3.42	1.30	0.844	2.16	---	---	10
11	---	---	0.157B	0.720B	3.70	0.857	2.06	1.22	0.872	1.91	---	---	11
12	---	---	---	0.674B	3.16	0.760	1.84	1.21	0.801	1.72	---	---	12
13	---	---	---	0.893B	2.34	0.695	2.05	1.20	0.707	1.61	---	---	13
14	---	---	---	0.450B	1.82	0.571	1.62	1.12	0.672	1.51	---	---	14
15	---	---	---	0.254	2.81	0.607	1.88	0.978	0.661	1.45	---	---	15
16	---	---	---	0.255	3.11	0.677	3.94	0.877	0.656	1.38	---	---	16
17	---	---	---	0.356	11.6	0.611	33.1	0.799	4.68	1.30	---	---	17
18	---	---	---	0.683	16.0	0.467	59.8	0.744	5.66	1.22	---	---	18
19	---	---	0.227B	1.03	12.0	0.438	14.4	0.698	3.00	1.17	---	---	19
20	---	---	---	1.65	7.72	0.419	6.88	0.851	2.09	1.14	---	---	20
21	---	---	---	1.78	5.74	0.344	4.34	0.583	1.61	1.13	---	---	21
22	---	---	---	1.38	5.07	0.307	3.26	0.589	1.31	1.07	---	---	22
23	---	---	---	1.14	4.77	0.284	3.57	0.531	1.13	1.06	---	---	23
24	---	---	---	0.859	3.31	0.265	3.02	0.539	0.988	1.01	---	---	24
25	---	---	---	0.809	2.89	0.251	3.32	0.655	3.15	0.981	---	---	25
26	---	---	0.603B	0.505	2.18	0.305	2.38	0.644	21.4	0.869	---	---	26
27	---	---	---	0.571	1.81	0.372	7.01	0.545	18.4	0.848	---	---	27
28	---	1.938	---	0.678	1.57	0.381	4.34	0.472	8.88	0.830	---	---	28
29	---	---	---	0.595	1.32	2.13	4.41	0.463	5.18	0.909	---	---	29
30	---	---	---	0.580	1.11	24.0	5.26	0.694	4.85	0.698	---	---	30
31	---	---	---		1.00		3.05	1.40		0.675	---	---	31
TOTAL	---	---	---	20.931	126.154	43.780	208.38	32.357	97.841	61.168	---	---	TOTAL
MEAN	---	---	---	0.698	4.13	1.46	6.66	1.04	3.26	1.97	---	---	MEAN
MAX	---	---	---	1.78	16.0	24.0	59.8	2.17	21.4	5.55	---	---	MAX
MIN	---	---	---	0.254	0.370	0.251	1.32	0.463	0.644	0.675	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.78
MAXIMUM DAILY, 59.8 ON JUL 18
MINIMUM DAILY, 0.251 ON JUN 25
MAXIMUM INSTANTANEOUS,
77.2 AT 05:55 MST ON JUL 18

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 46 26 N
LONG 114 42 30 W
DRAINAGE AREA, 227 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	17 800
FEB	---	AUG	2 800
MAR	---	SEP	8 450
APR	1 810	OCT	5 280
MAY	11 100	NOV	---
JUN	3 780	DEC	---

TOTAL DISCHARGE, 51 0[illegible] dam³

BEAVER CREEK NEAR BROCKET - STATION NO. 05AB013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.488	0.151	0.137	0.236	0.086	0.015	0	0.034A	0.032	---	1
2	---	---	0.383	0.150	0.147	0.265	0.120	0.013	0	0.038	0.037	---	2
3	---	---	0.310	0.147	0.180	0.226	0.095	0.009	0	0.037	0.038A	---	3
4	---	---	0.288	0.150	0.200	0.216	0.078	0.007	0	0.037	---	---	4
5	---	---	0.225	0.149	0.271	0.287	0.089	0.004	0 A	0.038	---	---	5
6	---	---	0.201	0.145	0.295	0.309	0.105	0.008	0 E	0.036	---	---	6
7	---	---	0.215	0.144	0.263	0.300	0.097	0.006	0 E	0.034	---	---	7
8	---	---	0.254	0.145	0.232	0.327	0.089	0.004	0 E	0.040	---	---	8
9	---	---	0.230	0.147	0.209	0.287	0.076	0.003	0 E	0.040	---	---	9
10	---	---	0.197	0.145	0.213	0.271	0.072	0.002	0 E	0.047	---	---	10
11	---	---	0.174	0.180	0.226	0.210	0.058	0.003	0 E	0.043	---	---	11
12	---	---	0.177	0.1638	0.237	0.142	0.058	0.003	0.008E	0.048	---	---	12
13	---	---	0.172	0.1598	0.227	0.170	0.039	0.003	0.010E	0.045	---	---	13
14	---	---	0.158	0.1858	0.209	0.184	0.031	0.003	0.013E	0.042	---	---	14
15	---	---	0.146	0.180	0.282	0.206	0.038	0.006	0.017E	0.038	---	---	15
16	---	---	0.184	0.171	0.284	0.201	0.042	0.005	0.020E	0.034	---	---	16
17	---	---	0.162	0.168	0.278	0.188	0.065	0.003	0.021E	0.034	---	---	17
18	---	---	0.152	0.155	0.260	0.177	0.053	0.002	0.024E	0.031	---	---	18
19	---	---	0.141	0.148	0.268	0.163	0.045	0	0.028E	0.034	---	---	19
20	---	---	0.141	0.144	0.270	0.129	0.058	0	0.033E	0.032	---	---	20
21	---	---	0.149	0.145	0.290	0.142	0.039	0	0.029E	0.031	---	---	21
22	---	---	0.150	0.152	0.359	0.133	0.032	0	0.023E	0.030	---	---	22
23	---	---	0.134	0.163	0.376	0.140	0.027	0	0.029E	0.031	---	---	23
24	---	---	0.108	0.167	0.338	0.133	0.031	0	0.038E	0.032	---	---	24
25	---	7.20 A	0.121	0.188	0.322	0.122	0.025	0	0.045E	0.032	---	---	25
26	---	2.81	0.135	0.152	0.313	0.100	0.022	0	0.054E	0.029	---	---	26
27	---	0.731	0.137	0.147	0.343	0.094	0.024	0	0.046E	0.028	---	---	27
28	---	0.631	0.148	0.168	0.347	0.092	0.025	0	0.039E	0.028	---	---	28
29	---		0.144	0.128	0.388	0.082	0.024	0	0.038E	0.028	---	---	29
30	---		0.145	0.131	0.310	0.085	0.025	0.001	0.035E	0.033	---	---	30
31	---		0.158		0.252		0.020	0.001		0.037		---	31
TOTAL	---	---	5.887	4.808	8.246	5.628	1.710	0.102	0.544	1.103	---	---	TOTAL
MEAN	---	---	0.190	0.154	0.266	0.188	0.055	0.003	0.018	0.036	---	---	MEAN
MAX	---	---	0.488	0.180	0.376	0.327	0.120	0.015	0.054	0.048	---	---	MAX
MIN	---	---	0.109	0.128	0.137	0.082	0.020	0	0	0.028	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.114
MAXIMUM DAILY, 0.488 ON MAR 1
MINIMUM DAILY, 0 OF AUG 18
MAXIMUM INSTANTANEOUS, 40.0E ON FEB 24

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 38 21 N
LONG 113 47 38 W
DRAINAGE AREA, 256 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	148
FEB	---	AUG	8.81
MAR	508	SEP	47.0
APR	388	OCT	95.3
MAY	712	NOV	---
JUN	486	DEC	---

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS DERIVED FROM A PROJECTED LOGARITHMIC PLOT

TOTAL DISCHARGE, 2 400 dam³

BEAVER LAKE AT RANGER STATION - STATION NO. 05AA003

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	1.419	---	1.445	---	---	---	---	1
2	---	---	---	---	---	1.408	---	1.445	1.334	1.287	---	---	2
3	---	---	---	---	---	1.403	---	1.447	1.330	1.286	---	---	3
4	---	---	---	---	---	---	---	1.448	1.326	1.284	0.305	---	4
5	---	---	---	---	---	1.403	---	---	1.324	1.282	---	---	5
6	---	---	1.391	---	1.433	1.396	---	1.445	1.324	1.281	---	---	6
7	---	---	---	---	---	1.396	1.391	1.445	1.324	---	---	---	7
8	---	---	---	---	---	---	---	---	1.324	---	---	---	8
9	---	---	---	---	---	1.396	---	1.439	1.324	---	---	---	9
10	---	---	---	---	1.427	1.395	1.393	---	1.323	1.273	---	---	10
11	---	---	---	---	1.427	---	1.396	1.430	---	1.271	---	---	11
12	---	---	---	---	1.427	---	---	---	1.323	1.268	---	---	12
13	---	---	---	---	---	1.394	1.394	1.421	---	1.266	---	---	13
14	---	---	---	---	---	1.392	---	1.415	---	1.264	---	---	14
15	---	---	---	---	---	---	---	---	---	1.261	---	---	15
16	---	---	---	---	1.418	1.391	1.449	---	1.312	1.259	---	---	16
17	---	---	---	1.405	1.417	1.389	1.469	---	1.311	1.256	---	---	17
18	---	---	---	---	1.417	---	1.469	---	1.308	1.257	---	---	18
19	---	---	---	---	1.417	---	1.474	1.404	1.307	1.256	---	---	19
20	---	---	---	---	---	---	1.472	1.402	---	1.256	---	---	20
21	---	---	---	---	---	---	---	1.400	1.303	1.255	---	---	21
22	---	---	---	---	1.427	1.387	1.466	---	1.301	1.255	---	---	22
23	---	---	---	---	1.427	---	---	1.386	1.311	1.255	---	---	23
24	---	---	---	---	---	1.386	---	---	---	1.254	---	---	24
25	---	---	---	---	1.428	1.385	1.452	---	---	1.254	---	---	25
26	---	---	---	---	---	1.385	1.451	1.380	---	1.254	---	---	26
27	---	---	---	---	1.428	1.384	---	---	---	---	---	---	27
28	---	---	---	---	1.428	1.384	---	1.388	1.284	---	---	---	28
29	---		---	---	---	1.402	---	1.355	1.291	---	---	---	29
30	---		---	---	---	1.373	1.448	1.347	1.288	---	---	---	30
31	---		---		1.421		1.447	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 45 43 N
LONG 111 54 05 W

NATURAL FLOW

DRAINAGE AREA, 331 km²

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

BEAVER RIVER ABOVE SYNCRUDE - STATION NO. 07DA018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0288	0.0288	0.0338	0.1808	0.386	1.13	0.337	4.23	0.162	0.245	0.1408	0.0878	1
2	0.0288	0.0288	0.0378	0.1408	0.470	1.06	0.307	3.19	0.186	0.237	0.1258	0.0878	2
3	0.0288	0.0288	0.0408	0.1008	1.36	0.959	0.286	2.46	0.213	0.230	0.1108	0.0878	3
4	0.0288	0.0288	0.0438	0.0988	3.24	0.752	0.366	1.97	0.182	0.239	0.1008	0.0878	4
5	0.0288	0.0288	0.0488	0.1008	3.12	0.684	0.859	1.75	0.168	0.223	0.0988	0.0888	5
6	0.0288	0.0288	0.0508	0.1808	2.35	0.547	0.830	1.45	0.172	0.250	0.0888	0.0888	6
7	0.0288	0.0288	0.0548	0.2008	2.31	0.491	0.824	1.19	0.172	0.264	0.0858	0.0888	7
8	0.0288	0.0288	0.0588	0.2808	2.01	0.418	0.972	0.885	0.164	0.270	0.0828	0.0888	8
9	0.0288	0.0288	0.0648	0.2908	2.06	0.386	0.786	0.780	0.168	0.253	0.0818	0.0888	9
10	0.0288	0.0288	0.0668	0.3008	2.25	0.351	0.851	0.659	0.167	0.241	0.0808	0.0888	10
11	0.0288	0.0288	0.0688	0.2958	2.54	0.335	0.748	0.604	0.162	0.233	0.0898	0.0898	11
12	0.0298	0.0288	0.0688	0.2508	2.26	0.334	0.596	0.300	0.171	0.218	0.0888	0.0898	12
13	0.0298	0.0288	0.0648	0.2208	2.03	0.316	0.533	0.244	0.189	0.214	0.0878	0.0898	13
14	0.0308	0.0288	0.0648	0.1468	1.88	0.310	0.547	0.216	0.202	0.208	0.0878	0.0908	14
15	0.0318	0.0288	0.0648	0.1318	1.74	0.409	0.761	0.193	0.208	0.208	0.0868	0.0908	15
16	0.0318	0.0288	0.0648	0.1358	1.51	0.288	1.18	0.183	0.213	0.206	0.0868	0.0908	16
17	0.0318	0.0288	0.0648	0.1378	1.37	0.270	1.17	0.150	0.220	0.201	0.0868	0.0918	17
18	0.0328	0.0278	0.0638	0.1648	1.32	0.278	2.01	0.134	0.219	0.214	0.0868	0.0918	18
19	0.0328	0.0278	0.0678	0.2538	1.26	0.358	1.52	0.158	0.210	0.195	0.0868	0.0928	19
20	0.0328	0.0278	0.0718	0.3228	1.20	0.625	1.86	0.192	0.218	0.197	0.0868	0.0928	20
21	0.0328	0.0278	0.0718	0.5718	1.14	0.868	2.09	0.175	0.225	0.196	0.0868	0.0928	21
22	0.0328	0.0278	0.0738	0.7688	1.34	1.18	2.07	0.182	0.258	0.192	0.0868	0.0928	22
23	0.0328	0.0288	0.0738	0.3368	2.97	0.986	2.48	0.167	0.255	0.198	0.0868	0.0938	23
24	0.0328	0.0288	0.0748	0.4188	3.45	0.866	3.03	0.173	0.256	0.190	0.0868	0.0938	24
25	0.0328	0.0288	0.0718	0.3818	3.02	0.696	2.67	0.155	0.240	0.187	0.0868	0.0948	25
26	0.0318	0.0278	0.0758	0.2138	2.64	0.616	2.55	0.150	0.237	0.183	0.0868	0.0948	26
27	0.0318	0.0288	0.0808	0.243	2.32	0.493	2.25	0.147	0.245	0.185	0.0868	0.0958	27
28	0.0308	0.0308	0.0868	0.301	2.05	0.435	1.89	0.153	0.261	0.1888	0.0868	0.0958	28
29	0.0308		0.0958	0.264	1.89	0.406	2.68	0.154	0.263	0.1718	0.0868	0.0968	29
30	0.0298		0.1158	0.398	1.52	0.363	4.27	0.158	0.250	0.1638	0.0868	0.0968	30
31	0.0298		0.1508		1.31		5.24	0.160		0.1508		0.0978	31
TOTAL	0.927	0.777	2.111	7.813	60.306	17.296	68.255	22.373	6.238	6.863	2.765	2.818	TOTAL
MEAN	0.030	0.028	0.068	0.264	1.15	0.577	1.56	0.722	0.208	0.212	0.092	0.081	MEAN
MAX	0.032	0.030	0.150	0.788	3.45	1.18	5.24	4.23	0.263	0.264	0.140	0.097	MAX
MIN	0.028	0.028	0.033	0.098	0.386	0.288	0.286	0.134	0.162	0.150	0.086	0.087	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.489
MAXIMUM DAILY, 5.24 ON JUL 31
MINIMUM DAILY, 0.0288 ON FEB 23
MAXIMUM INSTANTANEOUS,
5.41 AT 11:23 MST ON MAY 24

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 56 29 N
LONG 111 33 54 W
DRAINAGE AREA, 155 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	80.1	JUL	4 170
FEB	67.1	AUG	1 930
MAR	182	SEP	539
APR	684	OCT	567
MAY	5 210	NOV	239
JUN	1 490	DEC	243

TOTAL DISCHARGE, 15 400 dam³

BEAVER RIVER AT COLD LAKE RESERVE - STATION NO. 06AD006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.048	1.838	1.808	13.28	15.4	16.6	7.21	64.9	8.62	3.78A	3.828	2.508	1
2	1.088	1.848	1.808	13.48	14.8	16.2	6.89	62.7	9.03	3.72A	2.518	2.528	2
3	1.078	1.848	1.808	13.68	14.4	15.1	6.63	61.8	8.85	3.49A	3.208	2.548	3
4	1.098	1.858	1.808	13.88	14.0	14.1	6.14	58.9	8.44	3.49A	3.248	2.588	4
5	1.118	1.898	1.808	14.08	14.1	13.6	6.04	56.1	8.19	3.48A	3.588	2.598	5
6	1.138	1.858	1.808	14.38	14.6	12.4	5.93	53.0	7.76	3.58E	3.588	2.618	6
7	1.158	1.858	1.808	15.18	15.5	11.9	5.84	49.5	7.36	3.71E	2.548	2.628	7
8	1.188	1.858	1.808	16.08	16.0	11.4	5.63	46.1	6.87	3.88E	2.508	2.638	8
9	1.208	1.858	1.758	17.08	16.2	10.8	5.85	43.1	6.49	3.94E	2.358	2.648	9
10	1.238	1.858	1.728	18.08	17.3	9.87	5.81	40.1	6.32	3.89A	2.258	2.658	10
11	1.278	1.858	1.718	18.18	16.7	9.10	6.28	37.4	6.56	3.86A	2.178	2.668	11
12	1.308	1.858	1.708	17.88	15.8	9.01	7.01	35.1	6.45	3.81A	2.098	2.678	12
13	1.348	1.858	1.708	17.68	15.5	8.88	7.34	32.8	6.80	3.66A	2.008	2.688	13
14	1.388	1.858	1.708	17.78	16.4	8.60	8.15	30.5	6.31	3.49A	1.958	2.688	14
15	1.418	1.858	1.708	17.5	17.3	8.71	9.27	28.2	4.92	3.28A	1.818	2.888	15
16	1.448	1.858	1.708	16.5	17.0	8.65	10.4	25.8	4.88	3.88	1.818	2.888	16
17	1.478	1.858	1.708	14.7	16.7	8.66	13.0	24.4	4.47	3.73	1.838	2.688	17
18	1.508	1.858	1.728	14.4	15.8	8.42	16.2	22.7	4.28	3.70	1.878	2.678	18
19	1.518	1.858	1.798	14.1	14.5	8.64	25.9	21.1	4.12	3.62	1.888	2.668	19
20	1.528	1.858	1.828	14.4	14.3	7.87	37.9	20.1	4.02	3.74	2.008	2.848	20
21	1.548	1.858	1.908	14.9	14.4	7.53	61.0	18.7	3.98	3.72	2.088	2.882	21
22	1.558	1.858	1.878	15.6	14.6	7.39	66.0	17.5	3.82	3.56	2.128	2.618	22
23	1.578	1.858	2.008	17.1	15.3	7.39	72.8	16.4	3.92	3.63	2.208	2.598	23
24	1.588	1.858	2.028	17.3	15.5	7.42	77.8	15.4	4.28	3.39	2.268	2.548	24
25	1.608	1.888	2.108	16.6	16.0	7.38	81.4	14.5	4.55A	3.31	2.318	2.488	25
26	1.608	1.718	3.008	15.6	15.4	7.34	83.4	13.8	3.91A	3.24	2.388	2.438	26
27	1.618	1.758	4.608	15.9	17.2	7.53	83.0	13.1	3.67E	3.17	2.388	2.428	27
28	1.618	1.808	6.208	15.0	17.8	7.54	80.7	12.6	3.81E	3.19	2.418	2.448	28
29	1.628		8.008	17.3	16.0	7.45	77.2	11.9	3.78E	3.32	2.438	2.388	29
30	1.628		12.0 B	16.3	17.7	7.38	75.0	11.1	3.78E	3.258	2.478	2.438	30
31	1.638		13.0 B		17.0		88.0	10.2		2.388		2.488	31
TOTAL	42.84	46.50	82.80	486.2	492.4	282.77	1 034.32	559.8	149.05	109.71	71.60	80.01	TOTAL
MEAN	1.38	1.66	3.00	16.2	15.9	9.76	33.4	31.3	5.64	3.54	2.39	2.58	MEAN
MAX	1.63	1.80	13.0	18.9	18.0	16.6	83.4	64.9	9.62	3.95	3.86	2.69	MAX
MIN	1.04	1.63	1.70	13.2	14.0	7.34	5.63	10.2	3.78	2.38	1.81	2.36	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.7
MAXIMUM DAILY, 83.4 ON JUL 25
MINIMUM DAILY, 1.048 ON JAN 1
MAXIMUM INSTANTANEOUS,
84.0 AT 19:28 MST ON JUL 26

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 21 20 N
LONG 110 13 00 W
DRAINAGE AREA, 14 500 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	3 710	JUL	69 400
FEB	4 020	AUG	83 800
MAR	8 030	SEP	14 800
APR	42 000	OCT	9 480
MAY	42 500	NOV	5 190
JUN	35 300	DEC	8 610

TOTAL DISCHARGE, 336 000 dam³

BEAVER RIVER NEAR GODDRIDGE - STATION NO. 05AA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0808	8.188	1.24	0.583	0.332	13.7	0.987	0.475	0.6328	---	1
2	---	---	0.0808	9.458	1.24	0.506	0.359	11.9	0.977	0.486	0.5438	---	2
3	---	---	0.0808	9.638	1.28	0.652	0.378	10.4	0.955	0.485	0.5538	---	3
4	---	---	0.0808	8.588	1.43	0.786	0.403	9.87	0.914	0.434	0.5358	---	4
5	---	---	0.0728	8.418	1.40	0.742	0.395	9.01	0.816	0.456	---	---	5
6	---	---	0.0648	8.498	1.35	0.721	0.384	8.47	0.715	0.538	---	---	6
7	---	---	0.0808	7.558	1.26	0.669	0.358	7.89	0.625	0.470	---	---	7
8	---	---	0.0808	6.328	1.18	0.550	0.354	7.58	0.605	0.241	---	---	8
9	---	---	0.0808	4.978	1.08	0.461	0.342	6.03	0.571	0.234	---	---	9
10	---	---	0.0808	2.818	1.05	0.418	0.361	5.09	0.546	0.208	---	---	10
11	---	---	0.0808	3.008	1.13	0.380	0.351	5.15	0.597	0.203	---	---	11
12	---	---	0.0808	2.808	1.32	0.400	0.371	5.72	0.681	0.215	---	---	12
13	---	---	0.0808	2.808	1.28	0.375	0.385	5.29	0.698	0.256	---	---	13
14	---	---	0.0808	2.728	1.27	0.388	0.339	4.91	0.816	0.310	---	---	14
15	---	---	0.0808	2.86	1.25	0.307	0.228	4.63	0.582	0.320	---	---	15
16	---	---	0.0808	2.48	1.20	0.297	0.407	4.24	0.493	0.348	---	---	16
17	---	---	0.0808	2.30	1.10	0.209	1.37	4.03	0.410	0.368	---	---	17
18	---	---	0.0808	2.21	1.80	0.171	2.24	3.58	0.335	0.393	---	---	18
19	---	---	0.0808	2.05	1.85	0.188	5.43	3.18	0.281	0.410	---	---	19
20	---	---	0.0628	2.17	1.83	0.122	9.36	2.85	0.288	0.414	---	---	20
21	---	---	0.0688	2.10	1.31	0.136	11.8	2.59	0.344	0.401	---	---	21
22	---	---	0.0808	2.03	1.19	0.089	14.4	2.36	0.344	0.395	---	---	22
23	---	---	0.0908	1.97	1.24	0.104	17.1	2.05	0.340	0.402	---	---	23
24	---	---	0.0908	1.78	1.17	0.258	19.7	1.85	0.320	0.407	---	---	24
25	---	0.0288	0.0908	1.59	1.06	0.343	21.5	1.63	0.283	0.404	---	---	25
26	---	0.0388	0.5008	1.48	1.05	0.272	22.1	1.47	0.290	0.387	---	---	26
27	---	0.0508	3.05 E	1.34	1.03	0.219	21.5	1.35	0.337	0.389	---	---	27
28	---	0.0688	4.22 E	1.27	0.946	0.211	20.5	1.25	0.353	0.382	---	---	28
29	---		7.30 E	1.24	0.776	0.288	18.8	1.20	0.379	0.419	---	---	29
30	---		9.71 E	1.26	0.744	0.365	17.3	1.14	0.447	0.4848	---	---	30
31	---		9.36 E		0.606		15.6	1.07		0.5648		---	31
TOTAL	---	---	35.856	115.55	37.552	11 230	225 547	154.46	16.098	11.914	---	---	TOTAL
MEAN	---	---	1.16	3.85	1.21	0.374	7.28	4.98	0.537	0.384	---	---	MEAN
MAX	---	---	9.71	9.63	1.85	0.786	22.1	13.7	0.987	0.584	---	---	MAX
MIN	---	---	0.080	1.24	0.606	0.089	0.228	1.07	0.281	0.203	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.48
MAXIMUM DAILY, 22.1 ON JUL 26
MINIMUM DAILY, 0.0608 ON MAR 7
MAXIMUM INSTANTANEOUS,
22.2 AT 06 32 MST ON JUL 26

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 26 08 N
LONG 111 22 00 W
DRAINAGE AREA, 4 710 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	19 500
FEB	---	AUG	13 300
MAR	3 100	SEP	1 390
APR	9 980	OCT	1 030
MAY	3 240	NOV	---
JUN	970	DEC	---

TOTAL DISCHARGE, 52 500 dam³

BEAVERDAM CREEK NEAR COCHRANE - STATION NO. 05CB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0518	0	0	0.001	0.016	0.013	0.018	0.026	0.0218	---	1
2	---	---	0.0228	0	0.006	0.002	0.008	0.013	0.015	0.024	0.026	---	2
3	---	---	0.0068	0.001	0.003	0.002	0.006	0.011	0.014	0.026	0.025	---	3
4	---	---	0.0068	0	0.006	0.003	0.004	0.018	0.015	0.020	0.023	---	4
5	---	---	0.0048	0	0.019	0.004	0.007	0.022	0.029	0.019	0.020A	---	5
6	---	---	0 B	0	0.015	0.008	0.007	0.025	0.022	0.019	---	---	6
7	---	---	0 B	0	0.009	0.009	0.007	0.015	0.018	0.018	---	---	7
8	---	---	0 B	0	0.004	0.008	0.017	0.012	0.017	0.020	---	---	8
9	---	---	0.0028	0	0.001	0.007	0.013	0.013	0.017	0.022	---	---	9
10	---	---	0.0028	0	0.008	0.005	0.018	0.013	0.018	0.023	---	---	10
11	---	---	0.0028	0	0.018	0.003	0.010	0.011	0.017	0.023	---	---	11
12	---	---	0.0028	0	0.008	0.002	0.011	0.011	0.017	0.022	---	---	12
13	---	---	0.0028	0	0.004	0.001	0.013	0.011	0.018	0.022	---	---	13
14	---	---	0.005	0	0.003	0	0.014	0.011	0.019	0.022	---	---	14
15	---	---	0.008	0	0	0.008	0.018	0.010	0.021	0.022	---	---	15
16	---	---	0.005	0.001	0	0.007	0.018	0.008	0.023	0.022	---	---	16
17	---	---	0.004	0.001	0.302	0.003	0.187	0.010	0.080	0.022	---	---	17
18	---	---	0.004	0	0.078	0.002A	0.100	0.009	0.068	0.021	---	---	18
19	---	---	0.003	0	0.051	0.002E	0.021	0.008	0.021	0.021	---	---	19
20	---	---	0.003	0	0.020	0.002E	0.018	0.008	0.022	0.021	---	---	20
21	---	---	0.008	0	0.016	0.002E	0.013	0.008	0.027	0.022	---	---	21
22	---	---	0.009	0	0.017	0.002E	0.010	0.008	0.024	0.022	---	---	22
23	---	---	0.010	0	0.011	0.001E	0.010	0.008	0.022	0.022	---	---	23
24	---	---	0.005	0	0.007	0.001E	0.014	0.008	0.018	0.022	---	---	24
25	---	---	0.002	0	0.004	0 E	0.013	0.011	0.137	0.022	---	---	25
26	---	---	0	0	0.002	0 E	0.018	0.012	0.230	0.021	---	---	26
27	---	---	0.002	0	0.001	0.002E	0.017	0.010	0.078	0.020	---	---	27
28	---	0.083A	0.011	0	0.002	0.010E	0.017	0.008	0.048	0.020	---	---	28
29	---		0.007	0	0.002	0.030E	0.020	0.008	0.032	0.018	---	---	29
30	---		0.002	0	0.002	0.049A	0.024	0.028	0.020	0.018	---	---	30
31	---		0.001		0.001		0.018	0.031		0.0208		---	31
TOTAL	---	---	0.187	0.003	0.812	0.176	0.688	0.388	1.131	0.873	---	---	TOTAL
MEAN	---	---	0.006	0	0.030	0.006	0.021	0.013	0.038	0.022	---	---	MEAN
MAX	---	---	0.051	0.001	0.302	0.049	0.187	0.031	0.230	0.034	---	---	MAX
MIN	---	---	0	0	0	0	0.004	0.008	0.014	0.018	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.018
MAXIMUM DAILY, 0.302 ON MAY 17
MINIMUM DAILY, 00 ON MAR 6
MAXIMUM INSTANTANEOUS,
0.711 AT 05:08 MST ON MAY 17

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 21 45 N
LONG 114 28 20 W
DRAINAGE AREA, 65.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	55.9
FEB	---	AUG	34.4
MAR	18.2	SEP	97.7
APR	0.26	OCT	58.1
MAY	52.8	NOV	---
JUN	15.2	DEC	---

TOTAL DISCHARGE, 332 dam³

BEAVERHILL CREEK NEAR THE MOUTH - STATION NO. 05EB015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	5.00 B	3.62 B	0.032	0.003	0	2.20	0.005	0.005	---	---	1
2	---	---	4.90 B	2.47 B	0.023	0.003	0	1.25	0.005	0.005	---	---	2
3	---	---	4.60 B	1.93 B	0.014	0.002	0	0.727	0.004	0.005	---	---	3
4	---	---	4.20 B	1.10 B	0.017	0.003	0	0.477	0.003	0.006	---	---	4
5	---	---	3.80 B	0.5308	0.016	0.003	0	0.293	0.003	0.011	---	---	5
6	---	---	2.60 B	0.3298	0.014	0.005	0	0.182	0.003	0.009	---	---	6
7	---	---	1.33 B	0.3408	0.011	0.006	0	0.088	0.003	0.008	---	---	7
8	---	---	1.20 B	0.1378	0.011	0.008	0	0.086	0.003	0.014	---	---	8
9	---	---	1.15 B	0.0888	0.018	0.004	0	0.074	0.003	0.014	---	---	9
10	---	---	1.00 B	0.0788	0.018	0.002	0	0.062	0.003	0.011	---	---	10
11	---	---	0.7508	0.0848	0.017	0.001	0	0.059	0.003	0.008	---	---	11
12	---	---	0.5148	0.087	0.016	0.001	0	0.055	0.003	0.010	---	---	12
13	---	---	0.3338	0.087	0.015	0.001	0	0.052	0.004	0.010	---	---	13
14	---	---	0.2788	0.085	0.014	0.001	0	0.048	0.004	0.009	---	---	14
15	---	---	0.3678	0.073	0.031	0.001	0	0.045	0.004	0.009	---	---	15
16	---	---	0.3368	0.068	0.045	0.001	0.065	0.042	0.004	0.008	---	---	16
17	---	---	0.5178	0.068	0.045	0.001	0.127	0.038	0.004	0.008	---	---	17
18	---	---	1.12 B	0.067	0.085	0.001	0.878	0.035	0.004	0.007	---	---	18
19	---	---	2.12 B	0.064	0.090	0.001	19.6	0.031	0.004	0.007	---	---	19
20	---	---	5.08 B	0.056	0.070	0.001	48.6	0.028	0.004	0.006	---	---	20
21	---	---	10.1 B	0.051	0.058	0	8.07	0.026	0.004	0.006	---	---	21
22	---	---	8.89 B	0.050	0.051	0	4.87	0.023	0.004	0.005	---	---	22
23	---	---	5.75 B	0.054	0.039	0	4.64	0.020	0.004	0.005	---	---	23
24	---	---	3.43 B	0.070	0.123	0	4.50	0.017	0.004	0.005	---	---	24
25	---	---	1.71 B	0.071	0.082	0	4.11	0.015	0.004	0.004	---	---	25
26	---	---	2.92 B	0.063	0.043	0	3.47	0.014	0.005	0.004	---	---	26
27	---	---	2.91 B	0.058	0.020	0	3.03	0.013	0.005	0.003	---	---	27
28	---	---	2.43 B	0.050	0.014	0	2.64	0.011	0.005	0.003	---	---	28
29	---		3.27 B	0.045	0.008	0	2.27	0.009	0.005	0.003	---	---	29
30	---		3.50 B	0.041	0.003	0	5.58	0.008	0.005	0.003A	---	---	30
31	---		4.01 B		0.003		4.64	0.007		0.003E		---	31
TOTAL	---	---	91.213	11.914	1.027	0.049	117.389	5.025	0.119	0.214	---	---	TOTAL
MEAN	---	---	2.94	0.397	0.033	0.002	3.79	0.194	0.004	0.007	---	---	MEAN
MAX	---	---	10.1	3.62	0.123	0.008	48.6	2.20	0.005	0.014	---	---	MAX
MIN	---	---	0.276	0.041	0.003	0	0	0.007	0.003	0.003	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 930
MAXIMUM DAILY, 48 6 ON JUL 20
MINIMUM DAILY, 0 ON JUN 21
MAXIMUM INSTANTANEOUS,
80.5 AT 07 16 MST ON JUL 20

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 53 21 N
LONG 112 56 57 W
DRAINAGE AREA, 2 930 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	10 100
FEB	---	AUG	521
MAR	7 880	SEP	10.3
APR	1 030	OCT	18.5
MAY	88.7	NOV	---
JUN	4.23	DEC	---

TOTAL DISCHARGE, 19 700 dam³

BEAVERLODGE RIVER NEAR BEAVERLODGE - STATION NO. 07GD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0 B	0 B	1.808	7.998	6.53	4.12	0.452	0.033	0.002	0.007	0.005	0.0298	1
2	0 B	0 B	2.808	8.818	6.13	3.71	0.401	0.028	0.002	0.006	0.007	0.0248	2
3	0 B	0 B	4.008	8.738	5.19	3.48	0.324	0.030	0.003	0.006	0.007	0.0278	3
4	0 B	0 B	6.008	9.458	7.88	3.12	0.272	0.031	0.002	0.006	0.006	0.0258	4
5	0 B	0 B	3.808	9.858	8.10	2.89	0.281	0.031	0.002	0.006	0.007	0.0218	5
6	0 B	0 B	2.478	9.398	7.98	2.96	0.307	0.030	0.002	0.006	0.007	0.0198	6
7	0 B	0 B	1.448	8.988	7.83	2.78	0.283	0.027	0.001	0.005	0.008	0.0168	7
8	0 B	0 B	2.008	9.648	7.54	2.64	0.221	0.023	0	0.005	0.009	0.0178	8
9	0 B	0 B	4.408	8.828	7.41	2.39	0.162	0.022	0	0.005	0.010	0.0188	9
10	0 B	0 B	3.508	6.988	6.80	2.15	0.141	0.020	0	0.005	0.010	0.0198	10
11	0 B	0 B	2.718	4.988	6.42	1.98	0.130	0.019	0.002	0.006	0.008	0.0208	11
12	0 B	0 B	2.158	4.568	6.11	1.85	0.105	0.017	0.003	0.005	0.009	0.0188	12
13	0 B	0 B	1.878	4.478	6.13	1.75	0.092	0.017	0.002	0.006	0.0188	0.0178	13
14	0 B	0 B	1.788	4.138	6.25	1.63	0.083	0.015	0.001	0.005	0.0288	0.0148	14
15	0 B	0 B	1.608	3.888	6.72	1.48	0.107	0.014	0.001	0.005	0.0218	0.0108	15
16	0.0018	0 B	1.428	4.15	7.34	1.43	0.237	0.011	0.002	0.005	0.0258	0.0108	16
17	0.0018	0 B	1.248	5.63	7.69	1.49	0.175	0.010	0.001	0.005	0.0328	0.0088	17
18	0.0018	0 B	1.068	10.1	7.76	1.51	0.162	0.011	0.001	0.005	0.0318	0.0098	18
19	0.0018	0 B	2.008	9.88	8.01	1.33	0.185	0.010	0.001	0.005	0.0318	0.0108	19
20	0.0018	0 B	4.008	9.30	7.89	1.21	0.136	0.009	0.001	0.005	0.0308	0.0098	20
21	0.0018	0 B	10.2 B	8.34	7.81	1.11	0.208	0.008	0.001	0.004	0.0288	0.0108	21
22	0.0018	0 B	8.008	7.74	7.21	1.04	0.168	0.007	0	0.003	0.0308	0.0118	22
23	0 B	0 B	6.008	7.07	6.88	1.00	0.178	0.006	0	0.003	0.0308	0.0108	23
24	0 B	0 B	4.008	6.80	6.72	0.847	0.187	0.005	0.001	0.003	0.0308	0.0108	24
25	0 B	0 B	6.218	6.47	6.54	0.830	0.143	0.005	0.003	0.003	0.0338	0.0108	25
26	0 B	0.5008	7.788	5.88	6.25	0.766	0.118	0.010	0.005	0.004	0.0388	0.0108	26
27	0 B	1.00 B	16.8 B	5.20	5.98	0.721	0.106	0.002	0.008	0.003	0.0358	0.0108	27
28	0 B	2.00 B	22.3 B	4.87	5.53	0.731	0.083	0.001	0.007	0.003	0.0338	0.0108	28
29	0 B		22.1 B	5.45	5.11	0.631	0.084	0.002	0.006	0.004	0.0318	0.0088	29
30	0 B		14.3 B	6.55	4.70	0.538	0.084	0.003	0.008	0.004	0.0308	0.0088	30
31	0 B		8.658		4.43		0.040	0.003		0.004		0.0088	31
TOTAL	0.007	3.500	178.28	214.04	209.85	54.302	5.582	0.450	0.088	0.147	0.823	0.452	TOTAL
MEAN	0	0.125	5.75	7.13	6.77	1.81	0.180	0.015	0.003	0.005	0.021	0.015	MEAN
MAX	0.001	2.00	22.3	10.1	8.10	4.12	0.452	0.033	0.008	0.007	0.036	0.029	MAX
MIN	0	0	1.06	3.88	4.43	0.538	0.040	0.001	0	0.003	0.005	0.008	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.63
MAXIMUM DAILY, 22.3B ON MAR 28
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
26.0B AT 20:00 MST ON MAR 28

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 11 21 N
LONG 119 26 08 W
DRAINAGE AREA, 1 810 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0.60	JUL	482
FEB	302	AUG	39.7
MAR	15 400	SEP	5.86
APR	18 500	OCT	12.7
MAY	18 100	NOV	53.6
JUN	4 850	DEC	39.1

TOTAL DISCHARGE, 57 600 dam³

BEAVERTAIL CREEK NEAR HYTHE - STATION NO. 07GD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.5838	2.588	2.91	2.00	0.229	0.047	0	0	---	---	1
2	---	---	0.5478	2.358	2.85	1.74	0.197	0.005	0	0	---	---	2
3	---	---	0.3978	2.038	2.89	1.56	0.175	0.002	0	0	---	---	3
4	---	---	0.4788	1.998	3.15	1.42	0.109	0.002	0	0	---	---	4
5	---	---	0.5268	2.498	3.35	1.28	0.088	0.001	0	0	---	---	5
6	---	---	0.5948	3.008	3.41	1.19	0.080	0	0	0	---	---	6
7	---	---	0.7788	3.138	3.72	1.09	0.033	0	0	0	---	---	7
8	---	---	0.6448	3.008	3.78	0.986	0.022	0	0	0	---	---	8
9	---	---	0.4898	2.488	3.66	0.918	0.077	0	0	0	---	---	9
10	---	---	0.3388	2.268	3.56	0.789	0.118	0	0	0	---	---	10
11	---	---	0.2818	2.288	3.60	0.702	0.156	0	0	0	---	---	11
12	---	---	0.3668	2.158	3.59	0.662	0.157	0	0	0	---	---	12
13	---	---	0.5818	1.978	3.55	0.597	0.117	0	0	0	---	---	13
14	---	---	0.3208	2.188	3.61	0.494	0.082	0	0	0	---	---	14
15	---	---	0.2898	2.148	3.66	0.431	0.096	0	0	0	---	---	15
16	---	---	0.2778	2.088	3.90	0.509	0.252	0	0	0	---	---	16
17	---	0 B	0.2678	2.198	4.06	0.627	0.160	0	0	0	---	---	17
18	---	0 B	0.2588	3.52	4.27	0.622	0.218	0	0	0	---	---	18
19	---	0 B	0.2348	3.85	4.46	0.610	0.220	0	0	0	---	---	19
20	---	0 B	0.3388	4.01	4.34	0.587	0.182	0	0	0	---	---	20
21	---	0 B	1.33 B	4.15	4.20	0.593	0.194	0	0	0	---	---	21
22	---	0 B	2.98 B	4.04	4.01	0.547	0.176	0	0	0	---	---	22
23	---	0 B	3.25 B	3.99	3.93	0.510	0.152	0	0	0	---	---	23
24	---	0 B	3.18 B	3.73	3.73	0.437	0.128	0	0	0	---	---	24
25	---	0.0038	1.70 B	3.64	3.61	0.383	0.096	0.001	0	0	---	---	25
26	---	0.0338	1.35 B	3.28	3.53	0.498	0.113	0.001	0	0	---	---	26
27	---	0.1288	2.27 B	2.80	3.15	0.485	0.156	0.001	0	0	---	---	27
28	---	0.7028	2.50 B	2.66	2.88	0.369	0.156	0.001	0	0	---	---	28
29	---		2.78 B	2.68	2.61	0.309	0.105	0	0	0	---	---	29
30	---		3.12 B	2.85	2.40	0.260	0.031	0	0	0	---	---	30
31	---		2.86 B		2.24		0.077	0		0		---	31
TOTAL	---	---	35.916	85.52	108.82	23.215	4.150	0.061	0	0	---	---	TOTAL
MEAN	---	---	1.16	2.85	3.50	0.774	0.134	0.002	0	0	---	---	MEAN
MAX	---	---	3.25	4.15	4.46	2.00	0.252	0.047	0	0	---	---	MAX
MIN	---	---	0.234	1.97	2.24	0.260	0.022	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.05
MAXIMUM DAILY, 4.46 ON MAY 19
MINIMUM DAILY, 0 ON AUG 6
MAXIMUM INSTANTANEOUS,
4.57 AT 23 00 MST ON MAY 18

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 18 57 N
LONG 119 38 25 W
DRAINAGE AREA, 662 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	359
FEB	---	AUG	5.27
MAR	3 100	SEP	0
APR	7 380	OCT	0
MAY	9 380	NOV	---
JUN	2 010	DEC	---

TOTAL DISCHARGE, 22 200 dam³

BEDDINGTON CREEK NEAR CALGARY - STATION NO. 05BH904

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.145	0.035	0.068	0.114	0.063	0.020	0.344	---	---	1
2	---	---	---	0.136	0.039	0.085	0.113	0.055	0.014	0.305	---	---	2
3	---	---	---	0.120	0.035	0.075	0.122	0.045	0.016	0.288	---	---	3
4	---	---	---	0.078	0.069	0.054	0.098	0.043	0.014	0.267	---	---	4
5	---	---	---	0.077	0.108	0.057	0.105	0.049	0.025	0.246	---	---	5
6	---	---	---	0.070	0.088	0.058	0.083	0.054	0.022	0.231	---	---	6
7	---	---	---	0.065	0.080	0.060	0.058	0.048	0.020	0.222	---	---	7
8	---	---	---	0.061	0.060	0.065	0.040	0.042	0.013	0.215	---	---	8
9	---	---	---	0.051	0.048	0.084	0.033	0.043	0.015	0.200	---	---	9
10	---	---	---	0.041	0.047	0.053	0.031	0.034	0.011	0.181	---	---	10
11	---	---	---	0.037	0.038	0.051	0.027	0.030	0.008	0.166	---	---	11
12	---	---	---	0.030	0.030	0.048	0.049	0.024	0.008	0.157	---	---	12
13	---	---	---	0.032	0.034	0.040	0.046	0.028	0.010	0.151	---	---	13
14	---	---	---	0.026	0.088	0.030	0.038	0.031	0.009	0.147	---	---	14
15	---	---	---	0.015	0.104	0.047	0.133	0.024	0.008	0.138	---	---	15
16	---	---	---	0.026	0.202	0.044	0.154	0.024	0.008	0.129	---	---	16
17	---	---	---	0.023	0.310	0.034	0.345	0.021	0.095	0.126	---	---	17
18	---	---	---	0.022	0.375	0.032	0.756	0.019	0.089	0.118	---	---	18
19	---	---	---	0.018	0.882	0.035	0.728	0.018	0.078	0.113	---	---	19
20	---	---	---	0.020	1.09	0.026	0.805	0.017	0.091	0.110	---	---	20
21	---	---	---	0.022	0.878	0.020	0.411	0.015	0.064	0.107	---	---	21
22	---	---	---	0.024	0.827	0.018	0.281	0.013	0.044	0.104	---	---	22
23	---	---	---	0.023	0.418	0.012	0.203	0.013	0.025	0.102	---	---	23
24	---	---	---	0.023	0.277	0.012	0.148	0.015	0.010	0.100	---	---	24
25	---	---	---	0.024	0.207	0.010	0.103	0.019	0.118	0.098	---	---	25
26	---	---	---	0.025	0.180	0.008	0.093	0.023	0.432	0.098	---	---	26
27	---	---	---	0.025	0.166	0.006	0.085	0.018	0.718	0.099	---	---	27
28	---	---	---	0.024	0.139	0.008	0.073	0.015	0.585	0.099	---	---	28
29	---		---	0.024	0.113	0.113	0.090	0.010	0.481	0.096	---	---	29
30	---		---	0.027	0.093	0.177	0.091	0.020	0.417	0.100	---	---	30
31	---		---		0.078		0.074	0.028		0.1008		---	31
TOTAL	---	---	---	1.334	7.334	1.408	5.327	0.907	3.448	4.857	---	---	TOTAL
MEAN	---	---	---	0.044	0.237	0.047	0.172	0.029	0.115	0.160	---	---	MEAN
MAX	---	---	---	0.145	1.09	0.177	0.756	0.063	0.718	0.344	---	---	MAX
MIN	---	---	---	0.015	0.030	0.006	0.027	0.010	0.008	0.096	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.115
MAXIMUM DAILY, 1.09 ON MAY 20
MINIMUM DAILY, 0.006 ON JUN 27
MAXIMUM INSTANTANEOUS,
2.07 AT 07:40 MST ON MAY 17

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 12 30 N
LONG 114 08 40 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	460
FEB	---	AUG	77.8
MAR	---	SEP	298
APR	115	OCT	426
MAY	834	NOV	---
JUN	131	DEC	---

TOTAL DISCHARGE, 2 130 dam³

BELLY - ST. MARY DIVERSION CANAL - STATION NO. 05AD021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0E	0E	0	0	18.3	10.5	54.1	12.3	11.0	30.7	0	0E	1
2	0E	0E	0	0	18.9	10.6	52.8	12.0	10.4	31.3	0	0E	2
3	0E	0E	0	0	19.0	10.6	51.8	12.1	10.1	30.2	0	0E	3
4	0E	0E	0	0	19.5	10.5	51.7	12.3	9.94	29.2	0	0E	4
5	0E	0E	0	0	20.0	11.2	51.2	12.4	10.6	29.0	0A	0E	5
6	0E	0E	0	0	20.1	12.0	50.2	12.6	11.5	27.3	0E	0E	6
7	0E	0E	0	0	20.2	11.9	48.0	12.4	11.3	32.4	0E	0E	7
8	0E	0E	0	0	20.1	11.9	47.9	12.5	10.9	38.8	0E	0E	8
9	0E	0E	0	0	20.0	17.4	47.3	12.6	12.5	41.3	0E	0E	9
10	0E	0E	0	0	20.0	29.5	46.7	12.4	17.2	41.3	0E	0E	10
11	0E	0E	0	0	19.9	34.9	43.7	12.3	20.8	41.3	0E	0E	11
12	0E	0E	0	0	19.6	37.8	38.8	12.4	21.0	41.1	0E	0E	12
13	0E	0E	0	0	19.8	44.1	37.4	12.4	20.6	40.7	0E	0E	13
14	0E	0E	0	0	19.4	48.3	31.5	12.1	20.2	34.7	0E	0E	14
15	0E	0E	0	0	16.1	48.6	23.4	12.1	20.8	9.75	0E	0E	15
16	0E	0E	0	0	11.3	50.8	23.0	12.0	22.0	0.083	0E	0E	16
17	0E	0E	0	0	10.9	53.1	22.9	11.8	21.8	0	0E	0E	17
18	0E	0E	0	0	10.7	53.1	22.5	11.5	22.6	0	0E	0E	18
19	0E	0E	0	0	10.7	54.2	21.8	12.0	23.8	0	0E	0E	19
20	0E	0E	0	0	10.8	56.0	21.4	11.8	23.3	0	0E	0E	20
21	0E	0E	0	0	11.0	56.4	21.1	11.2	23.5	0	0E	0E	21
22	0E	0E	0	0.930	11.1	56.1	20.8	11.1	22.8	0	0E	0E	22
23	0E	0E	0	5.10	11.1	55.5	20.7	10.8	25.9	0	0E	0E	23
24	0E	0E	0	7.28	10.9	54.3	20.0	10.6	31.8	0	0E	0E	24
25	0E	0E	0	9.95	10.7	54.1	18.7	10.7	32.2	0	0E	0E	25
26	0E	0E	0	10.9	10.8	54.6	18.6	10.7	33.4	0	0E	0E	26
27	0E	0E	0	10.7	10.9	54.8	18.8	10.7	32.8	0	0E	0E	27
28	0E	0	0	11.8	11.1	54.1	18.5	10.4	31.7	0	0E	0E	28
29	0E		0	12.5	11.0	54.5	18.6	9.74	30.9	0	0E	0E	29
30	0E		0	13.6	11.0	54.8	19.4	10.4	30.4	0	0E	0E	30
31	0E		0		10.7		16.6	10.8		0		0E	31
TOTAL	0	0	0	82.840	483.4	1 165.0	1 000.9	361.04	627.54	500.133	0	0	TOTAL
MEAN	0	0	0	2.76	14.9	38.9	32.3	11.6	20.9	16.1	0	0	MEAN
MAX	0	0	0	13.6	20.2	56.4	54.1	12.6	33.4	41.3	0	0	MAX
MIN	0	0	0	0	10.7	10.5	16.6	9.74	9.94	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.5
MAXIMUM DAILY, 56.4 ON JUN 21
MINIMUM DAILY, 0E ON JAN 1

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 20 10 N
LONG 113 33 07 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1959

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	85 500
FEB	0	AUG	31 200
MAR	0	SEP	54 200
APR	7 180	OCT	43 200
MAY	40 000	NOV	0
JUN	101 000	DEC	0

TOTAL DISCHARGE, 363 000 dam³

BELLY RIVER NEAR GLENWOOD - STATION NO. 05AD041

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.008	3.308	14.5 B	8.58	2.83	48.5	1.31	1.10	0.912	1.37	5.24E	6.568	1
2	2.008	3.208	15.8 B	8.46	3.30	42.9	1.28	1.19	0.977	1.25	5.11A	5.908	2
3	1.958	3.008	11.9	7.87	3.13	36.1	1.25	1.03	0.988	1.15	5.02A	5.408	3
4	1.908	2.808	11.1	7.51	5.25	32.5	1.27	0.955	0.958	1.18	4.77A	4.958	4
5	2.008	2.808	10.3	7.10	8.20	28.8	1.28	0.905	0.980	1.12	5.25A	4.508	5
6	2.108	2.708	9.51	6.75	8.79	22.7	1.20	0.931	0.920	1.18	5.20E	4.108	6
7	2.148	2.608	8.90	6.47	8.55	22.0	1.20	0.966	0.893	3.53	4.90E	3.608	7
8	2.208	2.508	8.35	6.26	7.88	20.5	1.25	0.928	1.01	6.08A	4.70B	3.008	8
9	2.308	2.408	8.28	6.37	7.05	16.8	1.21	0.955	1.42	4.82	4.40B	2.508	9
10	2.408	2.308	8.68	6.77	5.72	12.4	1.14	0.854	1.37	4.64	4.25B	1.958	10
11	2.408	2.208	8.21	7.44	5.51	13.8	1.12	0.780	1.33	4.62A	4.05B	2.408	11
12	2.408	2.108	7.82	7.71	6.37	12.0	1.10	0.730	1.06	3.67A	4.00B	3.408	12
13	2.408	2.008	7.44	7.35	6.19	7.89	1.05	0.702	1.07	2.77	4.25B	4.108	13
14	2.408	1.908	7.13	7.17	6.48	5.63	1.03	0.677	1.03	1.80	4.40B	4.008	14
15	2.508	1.808	6.86	7.00	7.48	5.72	0.973	0.656	1.02	4.70	4.50B	3.708	15
16	2.808	1.708	6.68	6.71	8.36	5.56	0.936	0.607	1.02	7.03A	4.45B	3.308	16
17	3.008	1.708	6.52	6.37	8.32	5.62	0.958	0.594	0.887	6.66	4.20B	3.038	17
18	3.708	1.858	6.18	6.07	8.21	4.84	1.05	0.668	1.02	6.33A	5.30B	2.108	18
19	4.408	1.508	6.07	5.80	7.92A	4.24	1.04	0.830	1.01	5.99A	6.80B	2.008	19
20	5.408	1.308	5.85	5.40	9.83E	3.09	1.08	0.872	0.989	5.66A	9.00B	2.008	20
21	4.908	1.308	5.84	5.37	14.3 E	4.04	1.07	0.854	0.994	5.53	10.2 B	2.308	21
22	4.308	1.408	5.81	5.50	20.8 E	2.82	1.03	0.844	1.00	5.27A	10.5 B	2.708	22
23	4.308	1.708	5.76	9.36	25.6 E	1.70	1.03	0.930	1.07	5.05A	9.80B	3.008	23
24	5.108	4.008	5.53	12.7	22.3 E	1.12	0.981	0.900	1.05	4.87A	9.60B	3.208	24
25	4.708	40.0 B	5.54	9.41	18.2 E	1.08	0.900	0.895	1.24	4.67A	9.30B	3.908	25
26	4.308	31.0 B	5.47	6.72	17.5 E	1.07	1.07	0.95[illegible]	1.50	4.56	9.20B	4.008	26
27	3.708	16.2 B	5.36	5.08	29.6 A	1.07	1.06	0.9[illegible]	1.34	4.41	8.40B	4.208	27
28	3.978	13.0 B	5.40	3.58	38.2 E	1.07	1.05	0.93	1.24	4.61	7.90B	4.458	28
29	3.808		5.85	2.26	46.7 A	1.14	1.16	0.849	1.18	4.10A	7.30B	4.708	29
30	3.708		6.35	3.10	56.5	1.12	1.18	0.901	1.28	3.94E	6.90B	4.258	30
31	3.608		7.88		53.6		1.16	0.908		4.78E		3.908	31
TOTAL	98.56	184.35	243.07	202.16	480.70	367.82	34.488	27.129	32.848	127.43	189.09	113.08	TOTAL
MEAN	3.18	6.51	7.84	6.74	15.5	12.3	1.11	0.875	1.09	4.11	6.30	3.65	MEAN
MAX	5.40	40.0	15.8	12.7	56.5	48.5	1.31	1.19	1.50	7.03	10.5	6.56	MAX
MIN	1.90	1.30	5.36	2.26	2.83	1.07	0.936	0.594	0.853	1.12	4.00	1.95	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.67
MAXIMUM DAILY, 56.5 ON MAY 30
MINIMUM DAILY, 0.594 ON AUG 17
MAXIMUM INSTANTANEOUS,
58.1 AT 11:30 MST ON MAY 30

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 21 08 N
LONG 113 28 49 W
DRAINAGE AREA, 657 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1935

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	8 520	JUL	2 980
FEB	13 300	AUG	2 340
MAR	21 000	SEP	2 640
APR	17 500	OCT	11 000
MAY	41 500	NOV	15 300
JUN	31 800	DEC	9 770

TOTAL DISCHARGE, 179 000 dam³

BELLY RIVER NEAR MOUNTAIN VIEW - STATION NO. 05AD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.208	1.86 B	15.0 B	9.26	8.67	46.7	12.9	3.88	2.69	5.31	5.51	1.508	1
2	2.088	1.80 B	12.1 B	9.03	8.17	43.6	11.8	3.83	2.44	5.42	5.44	1.408	2
3	2.128	1.45 B	8.68	8.25	8.78	40.2	11.9	3.81	2.26	6.01	5.26	1.358	3
4	2.118	1.38 B	8.16	7.80	13.2	35.2	11.8	4.13	2.38	6.37	5.00	1.408	4
5	2.258	1.30 B	7.86	7.12	15.3	31.3	10.9	4.32	3.39	7.14	5.04	1.428	5
6	2.208	1.20 B	7.21	6.88	15.4	28.5	9.95	4.26	3.72	8.41	4.93	1.388	6
7	2.108	1.15 B	6.81	6.46	14.4	26.9	9.19	4.03	3.43	9.71	4.83	1.308	7
8	1.848	1.12 B	7.53	6.51	13.0	25.1	8.68	3.97	3.34	10.8	4.158	1.288	8
9	1.568	1.08 B	7.26	7.02	12.2	23.3	8.39	3.96	5.48	11.2	3.218	1.278	9
10	1.788	1.05 B	6.85	8.12	11.7	21.7	8.23	3.60	6.17	11.2	3.458	2.268	10
11	1.838	1.00 B	6.47	8.84	11.2	21.5	7.79	3.52	6.08	10.4	3.508	2.398	11
12	1.588	0.9908	6.05	8.86	10.8	22.4	7.30	3.46	5.77	9.48	3.458	2.118	12
13	1.688	0.9808	5.89	8.39	11.1	21.6	7.09	3.51	6.34	8.83	4.418	2.068	13
14	1.588	0.9808	5.41	7.96	11.3	20.3	6.89	3.35	5.02	8.26	3.618	1.958	14
15	2.388	0.9708	5.15	7.85	11.4	20.9	6.40	3.15	4.77	7.69	4.618	1.808	15
16	2.908	0.9708	4.97	7.26	11.4	20.2	6.42	3.03	4.59	7.30	3.888	1.708	16
17	2.688	0.9608	4.78	6.78	11.1	19.6	6.48	3.00	4.70	6.82	2.998	1.608	17
18	2.578	0.9608	4.45	6.35	10.8	19.4	5.88	2.78	5.58	6.60	3.688	1.528	18
19	2.758	0.9508	4.34	6.06	12.7	19.6	5.60	2.30	5.36	6.25	3.708	1.508	19
20	2.908	1.00 B	4.14	5.93	18.6	18.1	5.35	1.96	5.60	5.93	3.068	1.528	20
21	3.158	1.05 B	4.25	6.31	25.3	16.8	5.28	1.82	5.57	5.65	3.348	1.558	21
22	3.508	2.00 B	4.39	10.2	29.5	13.6	5.24	1.64	5.30	5.42	2.808	1.808	22
23	3.808	7.00 B	4.23	20.4	26.4	11.8	5.35	1.48	5.36	5.21	2.758	1.838	23
24	3.858	10.5 B	4.30	21.5	22.1	11.7	5.29	1.35	5.23	4.98	4.008	1.858	24
25	3.808	15.0 B	4.45	18.7	21.2	12.7	5.10	1.26	5.48	4.75	3.818	1.888	25
26	3.708	17.0 B	4.33	15.6	25.4	13.6	5.31	1.20	5.99	4.63	3.688	1.898	26
27	3.608	16.0 B	4.27	13.3	35.4	13.3	5.13	1.19	5.85	4.70	3.148	1.708	27
28	3.108	12.0 B	5.01	11.9	46.0	12.6	4.89	1.20	5.58	4.94	2.398	1.718	28
29	2.708		5.36	10.5	51.6	13.9	4.27	1.75	5.40	4.97	1.948	1.728	29
30	2.258		6.78	9.51	53.2	14.1	3.88	2.53	5.33	5.30	1.888	1.708	30
31	1.888		8.89		51.4		3.75	2.81		5.58		1.688	31
TOTAL	78.28	104.300	196.11	288.05	628.73	659.2	222.04	88.24	143.28	217.48	113.18	50.99	TOTAL
MEAN	2.53	3.73	6.33	9.60	20.3	22.0	7.16	2.85	4.78	7.02	3.77	1.64	MEAN
MAX	3.85	17.0	15.0	21.5	53.2	46.7	12.9	4.32	6.17	11.2	5.51	2.39	MAX
MIN	1.58	0.950	4.14	5.93	8.17	11.7	3.75	1.18	2.26	4.63	1.88	1.27	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.64
MAXIMUM DAILY, 53.2 ON MAY 30
MINIMUM DAILY, 0.9508 ON FEB 19
MAXIMUM INSTANTANEOUS,
53.9 AT 04:45 MST ON MAY 30

SUMMARY FOR THE YEAR 1986

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 00 N
LONG 113 41 48 W
DRAINAGE AREA, 318 km²

B - ICE CONDITIONS

REGULATED SINCE 1935

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	6 760	JUL	19 200
FEB	9 010	AUG	7 620
MAR	16 900	SEP	12 400
APR	24 900	OCT	18 800
MAY	54 300	NOV	9 780
JUN	57 000	DEC	4 410

TOTAL DISCHARGE, 241 000 dam³

BERLAND RIVER NEAR THE MOUTH - STATION NO. 07AC007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	9.208	16.78	48.88	137	52.6	89.9	30.0	84.0	26.88	---	1
2	---	---	9.208	17.18	41.38	127	53.3	82.2	30.6	90.7	33.68	---	2
3	---	---	9.208	17.08	36.4	120	52.2	76.4	31.0	82.7	36.78	---	3
4	---	---	9.258	17.48	38.6	101	51.7	74.8	32.3	76.1	34.88	---	4
5	---	---	9.308	17.58	54.1	87.1	54.3	80.0	39.3	80.6	---	---	5
6	---	---	9.408	17.48	66.0	80.4	60.4	83.1	47.8	86.7	---	---	6
7	---	---	9.508	17.78	69.3	87.3	71.8	75.0	42.3	88.6	---	---	7
8	---	---	9.608	18.58	63.3	89.0	80.5	67.4	38.4	85.6	---	---	8
9	---	---	9.708	18.18	60.5	84.8	79.5	62.0	35.8	83.0	---	---	9
10	---	---	9.758	19.58	59.6	84.6	75.7	58.5	34.1	77.8	---	---	10
11	---	---	9.858	20.08	58.0	81.3	72.4	55.4	35.5	72.9	---	---	11
12	---	---	10.0 B	19.48	55.6	88.6	67.6	52.6	38.7	68.7	---	---	12
13	---	---	10.3 B	20.08	50.8	84.1	66.8	50.2	39.4	66.0	---	---	13
14	---	---	10.1 B	20.18	47.0	74.4	68.1	47.8	38.6	62.6	---	---	14
15	---	---	10.1 B	19.88	43.8	73.7	68.6	44.8	37.3	60.1	---	---	15
16	---	---	10.1 B	19.58	40.9	87.3	82.6	42.8	37.1	57.9	---	---	16
17	---	---	10.4 B	20.18	40.9	107	193	41.6	36.7	56.0	---	---	17
18	---	---	10.5 B	20.28	41.8	92.0	391	40.3	36.2	53.6	---	---	18
19	---	---	10.8 B	19.78	45.7	83.0	461	39.3	35.6	51.4	---	---	19
20	---	---	10.9 B	21.58	48.4	77.6	383	39.0	34.3	49.3	---	---	20
21	---	---	11.4 B	24.48	57.2	70.2	287	38.1	33.2	48.5	---	---	21
22	---	---	11.7 B	33.68	67.2	62.6	208	36.6	32.4	46.8	---	---	22
23	---	---	12.0 B	41.48	65.2	58.2	186	35.4	31.9	46.0	---	---	23
24	---	---	12.3 B	41.58	58.0	57.2	204	34.7	31.0	43.9	---	---	24
25	---	---	12.9 B	43.38	57.3	57.6	176	34.3	31.6	42.7	---	---	25
26	---	---	12.8 B	41.68	57.6	54.5	150	34.0	39.1	41.8	---	---	26
27	---	---	13.4 B	40.08	85.9	51.0	139	33.0	72.5	41.0	---	---	27
28	---	---	14.0 B	43.38	141	48.3	126	31.5	80.4	41.4	---	---	28
29	---		14.8 B	50.28	148	47.4	118	30.7	73.6	41.0	---	---	29
30	---		15.6 B	53.98	152	47.2	110	30.3	78.5	40.2	---	---	30
31	---		16.5 B		143		101	30.2		34.58		---	31
TOTAL	---	---	344.68	781.4	2 075.2	2 431.2	4 248.8	1 585.6	1 235.1	1 812.2	---	---	TOTAL
MEAN	---	---	11.1	26.4	66.9	81.0	137	51.1	41.2	61.7	---	---	MEAN
MAX	---	---	16.5	53.9	152	137	461	90.0	80.4	94.0	---	---	MAX
MIN	---	---	9.20	16.7	36.4	47.2	51.7	30.2	30.0	34.5	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 59.7
MAXIMUM DAILY, 461 ON JUL 19
MINIMUM DAILY, 9.208 ON MAR 1
MAXIMUM INSTANTANEOUS,
480 AT 10:21 MST ON JUL 19

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS DERIVED FROM HIGH WATER MARK

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 00 47 N
LONG 116 57 47 W
DRAINAGE AREA, 4 740 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	367 000
FEB	---	AUG	137 000
MAR	29 800	SEP	107 000
APR	88 400	OCT	185 000
MAY	179 000	NOV	---
JUN	210 000	DEC	---

TOTAL DISCHARGE, 1 280 000 dam³

BERRY CREEK BELOW DEADFISH CREEK - STATION NO. 05CH016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	0.040E	0.819	0.594	0.220	0.273	0.077E	---	1
2	---	---	---	---	---	0.508E	0.754	0.572	0.171	0.235	0.076E	---	2
3	---	---	---	---	---	0.495E	0.702	0.546	0.238	0.182	0.072E	---	3
4	---	---	---	---	---	0.650E	0.692	0.533	0.318	0.151	0.073E	---	4
5	---	---	---	---	---	0.580E	0.674	0.541	0.340	0.128	0.078E	---	5
6	---	---	---	---	---	0.500E	0.659	0.562	0.359	0.114	0.074A	---	6
7	---	---	---	---	---	1.29 E	0.818	0.579	0.372	0.103	---	---	7
8	---	---	---	---	---	1.24 E	0.690	0.579	0.389	0.086	---	---	8
9	---	---	---	---	---	1.21 E	0.672	0.530	0.392	0.089	---	---	9
10	---	---	---	---	---	0.850E	0.671	0.463	0.385	0.095	---	---	10
11	---	---	---	---	---	0.493E	0.807	0.375	0.410	0.082	---	---	11
12	---	---	---	---	---	0.540E	0.605	0.343	0.430	0.080E	---	---	12
13	---	---	0.035B	---	---	0.640E	0.568	0.287	0.379	0.079E	---	---	13
14	---	---	---	---	---	0.600E	0.578	0.315	0.307	0.079E	---	---	14
15	---	---	---	---	---	0.530E	0.607	0.318	0.243	0.078E	---	---	15
16	---	---	---	0.035A	0.040A	0.490E	0.633	0.384	0.192	0.077E	---	---	16
17	---	---	---	---	---	0.500E	0.658	0.387	0.183	0.076E	---	---	17
18	---	---	---	---	---	0.763A	0.850	0.382	0.133	0.075E	---	---	18
19	---	---	---	---	---	0.962	0.720	0.335	0.118	0.074E	---	---	19
20	---	---	---	---	---	0.925	0.802	0.360	0.106	0.074E	---	---	20
21	---	---	0.049B	---	---	0.847	0.820	0.387	0.084	0.080E	---	---	21
22	---	---	---	---	---	0.847	0.781	0.387	0.070	0.077E	---	---	22
23	---	---	---	---	---	0.893	0.737	0.284	0.059	0.074E	---	---	23
24	---	---	---	---	---	0.808	0.681	0.285	0.050	0.074E	---	---	24
25	---	---	---	---	---	0.808	0.625	0.251	0.227	0.075E	---	---	25
26	---	---	---	---	---	0.744	0.619	0.259	0.282	0.076E	---	---	26
27	---	---	---	---	---	0.803	0.808	0.267	0.321	0.076E	---	---	27
28	---	0.018B	---	---	---	0.806	0.598	0.259	0.370	0.072E	---	---	28
29	---		---	---	---	0.825	0.577	0.241	0.386	0.073E	---	---	29
30	---		---	---	---	0.830	0.556	0.260	0.319	0.075E	---	---	30
31	---		---		---		0.489	0.259		0.078E		---	31
TOTAL	---	---	---	---	---	21.054	20.170	12.144	7.823	3.070	---	---	TOTAL
MEAN	---	---	---	---	---	0.702	0.651	0.392	0.261	0.099	---	---	MEAN
MAX	---	---	---	---	---	1.29	0.820	0.594	0.430	0.273	---	---	MAX
MIN	---	---	---	---	---	0.040	0.489	0.241	0.050	0.072	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 1.29E ON JUN 7

MAXIMUM INSTANTANEOUS, 2.07

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 56 09 N
LONG 111 45 59 W
DRAINAGE AREA, 2 480 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 740
FEB	---	AUG	1 050
MAR	---	SEP	675
APR	---	OCT	265
MAY	---	NOV	---
JUN	1 820	DEC	---

REMARKS - TIME AND DATE OF MAXIMUM INSTANTANEOUS DISCHARGE COULD NOT BE DETERMINED DUE TO CLOCK STOPPAGE

BERRY CREEK NEAR ROSE LYNN - STATION NO. 05CH008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	0	---	1
2	---	---	0	0	0	0	0	0	0	0	0	---	2
3	---	---	0	0	0	0	0	0	0	0	0	---	3
4	---	---	0	0	0	0	0	0	0	0	0	---	4
5	---	---	0	0	0	0	0	0	0	0	0	---	5
6	---	---	0	0	0	0	0	0	0	0	0A	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0.078	0	0	0	---	---	11
12	---	---	0	0	0	0	0.067	0	0	0	---	---	12
13	---	---	0	0	0	0	0.031	0	0	0	---	---	13
14	---	---	0	0	0	0	0.014	0	0	0	---	---	14
15	---	---	0	0	0	0	0.008	0	0	0	---	---	15
16	---	---	0	0	0	0	0.003	0	0	0	---	---	16
17	---	---	0	0	0	0	0.001	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	---	0	0	0	0	0	0	0	0	---	---	27
28	---	0A	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	0	0	0	0.203	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0.007	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0.078	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.078 ON JUL 11
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS, 0.122 AT 15:08 MST ON JUL 11

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 24 58 N
LONG 111 25 41 W
DRAINAGE AREA, 1 550 km²
A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	17.5
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 17.5 dam³

BERRY CREEK NEAR THE MOUTH - STATION NO. 05CH007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.005B	0.095	0.025	0	0.051	0.101	0.093	0.370	0.099	---	1
2	---	---	0.009B	0.124	0.001	0	0.155	0.154	0.093	0.423	0.083	---	2
3	---	---	0.015B	0.107	0.001	0.383	0.200	0.201	0.093	0.375	0.091	---	3
4	---	---	0.026B	0.095	0.002	0.343	0.167	0.227	0.100	0.318	0.083	---	4
5	---	---	0.030B	0.091	0.018	0.189	0.287	0.208	0.114	0.268	0.095	---	5
6	---	---	0.030B	0.092	0.045	0.304	0.292	0.207	0.107	0.216	0.093	---	6
7	---	---	0.029B	0.096	0.047	0.186	0.231	0.215	0.089	0.207	0.088A	---	7
8	---	---	0.026B	0.083	0.022	0.862	0.137	0.259	0.103	0.185	---	---	8
9	---	---	0.026B	0.078	0.007	0.949	0.081	0.218	0.227	0.161	---	---	9
10	---	---	0.035B	0.034	0.001	0.888	0.125	0.167	0.268	0.143	---	---	10
11	---	---	0.050B	0.036	0.002	0.318	0.189	0.098	0.280	0.132	---	---	11
12	---	---	0.085B	0.037	0	0.347	0.181	0.089	0.297	0.136	---	---	12
13	---	---	0.085B	0	0.014	0.428	0.121	0.085	0.296	0.127	---	---	13
14	---	---	0.089B	0.065	0.055	0.332	0.102	0.051	0.321	0.119	---	---	14
15	---	---	0.095B	0.104	0.099	0.523	0.075	0.060	0.545	0.114	---	---	15
16	---	---	0.057B	0.090	0.082	0.380	0.090	0.038	0.341	0.113	---	---	16
17	---	---	0.099B	0.096	0.036	0.309	0.058	0.023	0.287	0.111	---	---	17
18	---	---	0.089B	0.100	0.008	0.315	0.014	0.011	0.234	0.108	---	---	18
19	---	---	0.104B	0.092	0.001	0.394	0.017	0.004	0.197	0.108	---	---	19
20	---	---	0.114B	0.088	0	0.305	0.023	0.003	0.207	0.101	---	---	20
21	---	---	0.142	0.048	0	0.170	0.034	0.002	0.182	0.101	---	---	21
22	---	---	0.137	0.055	0	0.326	0.006	0.052	0.159	0.104	---	---	22
23	---	---	0.118	0.108	0	0.443	0.009	0.099	0.117	0.099	---	---	23
24	---	0 B	0.103	0.094	0	0.378	0.038	0.127	0.108	0.093	---	---	24
25	---	0 B	0.088	0.089	0	0.269	0.054	0.182	1.22	0.090	---	---	25
26	---	0.001B	0.084	0.101	0	0.230	0.106	0.170	1.25	0.092	---	---	26
27	---	0.002B	0.107	0.076	0	0.074	0.096	0.138	0.678	0.092	---	---	27
28	---	0.003B	0.116	0.097	0	0.011	0.088	0.114	0.464	0.089	---	---	28
29	---		0.125	0.038	0	0.017	0.085	0.095	0.376	0.089	---	---	29
30	---		0.122	0.049	0	0.022	0.084	0.088	0.357	0.091	---	---	30
31	---		0.104		0		0.072	0.086		0.099		---	31
TOTAL	---	---	2.395	2.358	0.468	9.495	3.269	3.532	9.205	4.876	---	---	TOTAL
MEAN	---	---	0.077	0.079	0.015	0.317	0.105	0.114	0.307	0.157	---	---	MEAN
MAX	---	---	0.142	0.124	0.099	0.949	0.292	0.259	1.25	0.423	---	---	MAX
MIN	---	---	0.005	0	0	0	0.006	0.002	0.089	0.089	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 0.145
MAXIMUM DAILY, 1.25 ON SEP 26
MINIMUM DAILY, 0 ON APR 13
MAXIMUM INSTANTANEOUS,
2.79 AT 17:57 MST ON SEP 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 51 18 N
LONG 111 35 26 W
DRAINAGE AREA, 3 720 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	282
FEB	---	AUG	305
MAR	207	SEP	795
APR	204	OCT	421
MAY	40.4	NOV	---
JUN	820	DEC	---

TOTAL DISCHARGE, 3 070 dam³

BERRY CREEK RESERVOIR NEAR SUNNYNOOK - STATION NO. 05CH014

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	732.384E	732.407	732.348	732.183	731.500	731.039	730.810	---	---	---	1
2	---	---	732.384E	732.406	732.336	732.162	731.485	731.022	730.596	---	---	---	2
3	---	---	732.384E	732.403	732.342	732.131	731.461	730.989	730.582	---	---	---	3
4	---	---	732.384E	732.405	732.343	732.084	731.435	730.980	730.586	---	---	---	4
5	---	---	732.384A	732.405	732.338	732.072	731.424	730.978	730.605	---	---	---	5
6	---	---	732.414	732.405	732.337	732.047A	731.415	730.972	730.628	---	731.371A	---	6
7	---	---	732.415	732.403	732.333	732.023E	731.404	730.959	730.652	---	---	---	7
8	---	---	732.424	732.382	732.333	732.000E	731.384	730.952	730.677	---	---	---	8
9	---	---	732.422	732.409	732.350	731.978E	731.365	730.937	730.704	---	---	---	9
10	---	---	732.423	732.397	732.356	731.955E	731.350	730.928	730.724	---	---	---	10
11	---	---	732.421	732.390	732.354	731.933E	731.355	730.918	730.770	---	---	---	11
12	---	---	732.421	732.382	732.349	731.910E	731.328	730.908	730.824	---	---	---	12
13	---	---	732.437	732.378	732.342	731.888E	731.304	730.903	730.862	---	---	---	13
14	---	---	732.431	732.375	732.367	731.865E	731.295	730.897	730.896	---	---	---	14
15	---	---	732.402	732.373	732.371	731.843E	731.294	730.888	730.938	---	---	---	15
16	---	---	732.405	732.383	732.359	731.820E	731.286	730.878	730.977	---	---	---	16
17	---	---	732.410	732.374	732.361	731.798A	731.275	730.852	731.008	---	---	---	17
18	---	---	732.400	732.371	732.359	731.750	731.285	730.841	731.028	---	---	---	18
19	---	---	732.389	732.365	732.360	731.700	731.286	730.840	731.027	---	---	---	19
20	---	---	732.398	732.365	732.355	731.674	731.287	730.811	731.033	---	---	---	20
21	---	---	732.404	732.366	732.356	731.653	731.281	730.785	731.039	---	---	---	21
22	---	---	732.406	732.369	732.356	731.635	731.274	730.756	731.044	---	---	---	22
23	---	---	732.405	732.365	732.351	731.620	731.254	730.744	731.045	---	---	---	23
24	---	---	732.404	732.360	732.341	731.611	731.224	730.742	731.051	---	---	---	24
25	---	---	732.408	732.366	732.346	731.590	731.195	730.712	731.134	---	---	---	25
26	---	---	732.409	732.355	732.329	731.576	731.186	730.699	731.140A	---	---	---	26
27	---	---	732.415	732.349	732.315	731.558	731.163	730.694	---	---	---	---	27
28	---	---	732.412	732.347	732.295	731.536	731.138	730.686	---	---	---	---	28
29	---		732.413	732.346	732.273	731.528	731.111	730.670	---	---	---	---	29
30	---		732.409	732.353	732.245	731.517	731.084	730.654	---	---	---	---	30
31	---		732.411		732.223		731.061	730.636		---		---	31
MEAN	---	---	732.408	732.378	732.336	731.622	731.297	730.848	---	---	---	---	MEAN
MAX	---	---	732.437	732.409	732.371	732.183	731.500	731.039	---	---	---	---	MAX
MIN	---	---	732.384	732.346	732.223	731.517	731.061	730.636	---	---	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MAXIMUM DAILY, 732.437 ON MAR 13

MAXIMUM INSTANTANEOUS,
732.439 AT 06:09 MST ON MAR 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 15 44 N
LONG 111 38 22 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

BERRY CREEK RESERVOIR OUTLET - STATION NO. 05CN011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0E	0	0	0.758	0.825	1.05	0.382	0	0	---	1
2	---	---	0E	0	0	0.758	0.824	1.07	0.315	0	0	---	2
3	---	---	0E	0	0	0.760	0.820	1.08	0.267	0	0	---	3
4	---	---	0E	0	0	0.764	0.784	0.942	0.250	0	0	---	4
5	---	---	0E	0	0	0.775	0.670	0.367	0.234	0	0	---	5
6	---	---	0E	0	0	0.787	0.668	0.338	0.190	0	0A	---	6
7	---	---	0E	0	0	0.784	0.685	0.341	0.165	0	---	---	7
8	---	---	0E	0	0	0.775	0.700	0.355	0.149	0	---	---	8
9	---	---	0E	0	0	0.783	0.697	0.347	0.099	0	---	---	9
10	---	---	0E	0	0	0.797	0.697	0.338	0.059	0	---	---	10
11	---	---	0E	0	0	0.763	0.689	0.347	0.016	0	---	---	11
12	---	---	0E	0	0	0.800	0.701	0.404	0.009	0	---	---	12
13	---	---	0E	0	0	0.587	0.713	0.389	0.040	0	---	---	13
14	---	---	0E	0	0	0.587	0.734	0.389	0.032	0	---	---	14
15	---	---	0E	0	0	0.807	0.718	0.408	0.026	0	---	---	15
16	---	---	0E	0	0	0.807	0.887	0.408	0.023	0	---	---	16
17	---	---	0E	0	0	0.820	0.761	0.407	0.021	0	---	---	17
18	---	---	0E	0	0	1.27	0.696	0.408	0.021	0	---	---	18
19	---	---	0E	0	0	1.25	0.589	0.399	0.018	0	---	---	19
20	---	---	0E	0	0	1.15	0.767	0.370	0.009	0	---	---	20
21	---	---	0E	0	0	0.835	0.745	0.383	0.006	0	---	---	21
22	---	---	0E	0	0	0.824	0.644	0.357	0.011	0	---	---	22
23	---	---	0E	0	0	0.831	0.672	0.328	0.013	0	---	---	23
24	---	---	0E	0	0	0.828	0.684	0.328	0.012	0	---	---	24
25	---	---	0E	0	0	0.824	0.804	0.344	0.156	0	---	---	25
26	---	---	0A	0	0.263	0.825	0.942	0.295	0.089	0	---	---	26
27	---	---	0	0	0.744	0.818	0.953	0.035	0.040	0	---	---	27
28	---	---	0	0	0.805	0.818	0.970	0.206	0.033	0	---	---	28
29	---		0	0	0.760	0.844	0.995	0.435	0.033	0	---	---	29
30	---		0	0	0.758	0.829	1.01	0.407	0.022	0	---	---	30
31	---		0		0.760		1.00	0.376		0		---	31
TOTAL	---	---	0	0	4.085	24.271	24.654	13.851	2.730	0	---	---	TOTAL
MEAN	---	---	0	0	0.132	0.809	0.795	0.447	0.091	0	---	---	MEAN
MAX	---	---	0	0	0.805	1.27	1.01	1.08	0.382	0	---	---	MAX
MIN	---	---	0	0	0	0.587	0.668	0.035	0.006	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.283
MAXIMUM DAILY, 1.27 ON JUN 18
MINIMUM DAILY, 0E ON MAR 1
MAXIMUM INSTANTANEOUS, 1.28 AT 00:32 MST ON JUN 19

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 14 33 N
LONG 111 37 51 W
DRAINAGE AREA, 1 830 km²
A - MANUAL GAUGE
E - ESTIMATED
REGULATED SINCE 1983

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 130
FEB	---	AUG	1 180
MAR	0	SEP	230
APR	0	OCT	0
MAY	354	NOV	---
JUN	2 100	DEC	---

TOTAL DISCHARGE, 6 000 dam³

BIGELOW RESERVOIR NEAR WIMBORNE - STATION NO. 05CE001

DAILY WATER LEVEL IN METRES FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	882.324	882.280	882.343	882.280	882.344	882.256	882.272A	---	---	1
2	---	---	---	882.326	882.276	882.333	882.256	882.336	882.255	882.273E	---	---	2
3	---	---	---	882.325	882.274	882.321	882.253	882.330	882.256	882.275E	---	---	3
4	---	---	---	882.323	882.274	882.309	882.254	882.327	882.257	882.279E	---	---	4
5	---	881.799A	882.298A	882.321	882.280	882.312	882.255	882.325	882.259	882.279E	---	---	5
6	---	---	---	882.319	882.285	882.314	882.254	882.326	882.258	882.268E	---	---	6
7	---	---	---	882.318	882.289	882.315	882.253	882.324	882.256	882.265A	---	---	7
8	---	---	---	882.317	882.290	882.320	882.253	882.323	882.254	882.257	---	---	8
9	---	---	---	882.316	882.291	882.323	882.251	882.323	882.252	882.251	---	---	9
10	---	---	---	882.314	882.293	882.321	882.250	882.322	882.249	882.246	---	---	10
11	---	---	---	882.312	882.296	882.316	882.250	882.320	882.248	882.239	---	---	11
12	---	---	---	882.311	882.299	882.308	882.250	882.317	882.247	882.234	---	---	12
13	---	---	---	882.312	882.299	882.299	882.248	882.315	882.245	882.230	---	---	13
14	---	---	882.327A	882.312	882.324	882.292	882.245	882.311	882.243	882.227	---	---	14
15	---	---	---	882.313	882.343	882.288	882.245	882.305	882.243E	882.226	---	---	15
16	---	---	---	882.312	882.345	882.289	882.246	882.300	882.243E	882.221	---	---	16
17	---	---	---	882.312	882.350	882.286	882.264	882.294	882.243E	882.219	---	---	17
18	---	---	882.340A	882.306	882.371	882.287	882.292	882.290	882.242E	882.217	---	---	18
19	---	---	---	882.300	882.407	882.285	882.300	882.285	882.242E	882.215	---	---	19
20	---	---	---	882.296	882.446	882.283	882.336	882.276	882.241E	882.214	---	---	20
21	---	---	---	882.294	882.469	882.281	882.383	882.272	882.242E	882.213	---	---	21
22	---	---	---	882.292	882.475	882.276	882.421	882.265	882.241E	882.211	---	---	22
23	---	---	---	882.291	882.470	882.271	882.436	882.262	882.243E	882.210	---	---	23
24	---	---	---	882.288	882.457	882.265	882.431	882.259	882.250E	882.209	---	---	24
25	---	---	---	882.284	882.441	882.263	882.416	882.258	882.274E	882.211	---	---	25
26	---	---	---	882.283	882.425	882.262	882.399	882.259	882.311E	882.214	---	---	26
27	---	---	882.319A	882.281	882.409	882.261	882.388	882.258	882.327E	882.216	---	---	27
28	---	---	882.320	882.281	882.395	882.261	882.378	882.258	882.349E	882.218	---	---	28
29	---		882.320	882.281	882.382	882.261	882.371	882.258	882.357E	882.217	---	---	29
30	---		882.321	882.282	882.369	882.260	882.363	882.256	882.365E	882.217	---	---	30
31	---		882.323		882.356		882.352	882.257		882.216A		---	31
MEAN	---	---	---	882.305	882.354	882.294	882.308	882.295	882.285	882.234	---	---	MEAN
MAX	---	---	---	882.326	882.475	882.343	882.435	882.344	882.365	882.279	---	---	MAX
MIN	---	---	---	882.281	882.274	882.280	882.245	882.256	882.241	882.208	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 882.475 ON MAY 22

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 53 15 N
LONG 113 27 50 W
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

A - MANUAL GAUGE
E - ESTIMATED
REGULATED
DRAINAGE AREA, 413 km²

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

BISCHNIPE CREEK NEAR GADSBY - STATION NO. 05PC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 E	0.226	0.005	0	0.001	8.40	0	0.003	0.010	---	1
2	---	---	0.0108	0.180	0.001	0	0.001	1.83	0	0.001	0.010	---	2
3	---	---	0.0098	0.134	0	0	0.001	1.13	0	0.001	0.010	---	3
4	---	---	1.50 E	0.086	0	0	0.001	0.530	0	0.024	0.010	---	4
5	---	---	1.11 E	0.060	0	0	0.001	0.234	0	0.019	0.011	---	5
6	---	---	0.9008	0.046	0.001	0	0.001	0.133	0	0.181	0.0108	---	6
7	---	---	0.6238	0.035	0.004	0	0.001	0.178	0	0.208	---	---	7
8	---	---	0.5848	0.026	0.004	0	0.001	0.281	0	0.176	---	---	8
9	---	---	0.3838	0.018	0.005	0	0.001	0.271	0	0.133	---	---	9
10	---	---	0.3318	0.014	0.006	0	0.001	0.239	0	0.144	---	---	10
11	---	---	0.2958	0.013	0.006	0	0.001	0.249	0.003	0.132	---	---	11
12	---	---	0.2978	0.013	0.006	0	0.001	0.233	0.006	0.122	---	---	12
13	---	---	0.2818	0.013	0.002	0	0.001	0.226	0.092	0.154	---	---	13
14	---	---	0.2638	0.013	0.008	0	0.001	0.239	0	0.156	---	---	14
15	---	---	0.2368	0.013	0.011	0	0.001	0.178	0	0.177	---	---	15
16	---	---	0.4068	0.007	0.013	0	0.001	0.137	0	0.132	---	---	16
17	---	---	0.3458	0.006	0.013	0.001	0.674	0.116	0	0.112	---	---	17
18	---	---	0.3268	0.009	0.011	0.004	0.886	0.088	0	0.089	---	---	18
19	---	---	0.2778	0.008	0.010	0.007	4.33	0.035	0	0.073	---	---	19
20	---	---	0.2438	0.006	0.009	0.008	3.83	0.019	0	0.065	---	---	20
21	---	---	0.2148	0.002	0.007	0.008	1.76	0.012	0	0.058	---	---	21
22	---	---	0.0698	0.002	0.007	0.001	0.750	0.011	0	0.040	---	---	22
23	---	---	0.0388	0.004	0.008	0.001	0.271	0.008	0	0.035	---	---	23
24	---	---	0.0809	0.007	0.010	0.001	0.110	0.002	0	0.014	---	---	24
25	---	---	0.1148	0.004	0.010	0.001	1.15	0	0	0.008	---	---	25
26	---	---	0.1158	0.005	0.006	0.001	0.832	0	0	0.008	---	---	26
27	---	00	0.0938	0.002	0	0.001	0.841	0	0	0.009	---	---	27
28	---	00	0.0778	0.001	0	0.001	0.979	0	0	0.007	---	---	28
29	---		0.1158	0.007	0	0.001	4.17	0	0	0.005	---	---	29
30	---		0.118	0.006	0	0.001	4.83	0	0	0.005	---	---	30
31	---		0.257		0		5.47	0		0.003	---	---	31
TOTAL	---	---	10.882	0.979	0.159	0.035	30.371	11.887	0.011	2.986	---	---	TOTAL
MEAN	---	---	0.362	0.033	0.005	0.001	0.980	0.367	0	0.076	---	---	MEAN
MAX	---	---	1.50	0.226	0.013	0.008	5.47	8.40	0.006	0.208	---	---	MAX
MIN	---	---	0	0.002	0	0	0.001	0	0	0.003	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.229
MAXIMUM DAILY, 8.47 ON JUL 31
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
8.80 AT 19:43 MST ON JUL 31

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 26 04 N
LONG 112 21 18 W
DRAINAGE AREA, 233 km²

E - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 630
FEB	---	AUG	946
MAR	918	SEP	0.55
APR	84.8	OCT	284
MAY	13.7	NOV	---
JUN	3.02	DEC	---

TOTAL DISCHARGE, 4 800 dam³

BIRCH CREEK NEAR COWLEY - STATION NO. 07CE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.2708	0.2608	0.5308	0.807	0.026	5.10	0.134	0.046	---	---	1
2	---	---	0.2608	0.3008	0.7408	0.826	0.007	4.66	0.117	0.037	---	---	2
3	---	---	0.2458	0.3408	0.6758	0.576	0.002	4.26	0.121	0.030	---	---	3
4	---	---	0.2288	0.3858	0.8778	0.480	0.007	4.01	0.134	0.584	---	---	4
5	---	---	0.1378	0.4358	1.00 E	0.473	0.146	3.85	0.119	0.595	---	---	5
6	---	---	0.0388	0.4908	0.9888	0.384	0.552	3.40	0.127	0.622	---	---	6
7	---	---	0.0748	0.5108	1.22 E	0.207	0.846	3.13	0.131	0.642	---	---	7
8	---	---	0.0868	0.5208	1.20	0.148	0.709	3.42	0.124	0.645	---	---	8
9	---	---	0.1458	0.5088	1.14	0.120	0.592	3.26	0.118	0.660	---	---	9
10	---	---	0.1628	0.4308	1.10	0.103	0.534	2.96	0.104	0.619	---	---	10
11	---	---	0.1598	0.3208	1.07	0.172	0.480	2.80	0.104	0.570	---	---	11
12	---	---	0.1528	0.3008	1.01	0.755	0.585	2.18	0.109	0.542	---	---	12
13	---	---	0.1288	0.3028	1.47	0.886	0.809	1.85	0.104	0.547	---	---	13
14	---	---	0.1008	0.3058	1.31	0.811	0.878	1.68	0.117	0.510	---	---	14
15	---	---	0.0878	0.3258	0.926	0.743	1.04	1.68	0.108	0.504	---	---	15
16	---	---	0.0508	0.3608	0.583	0.602	1.15	1.21	0.138	0.507	---	---	16
17	---	---	0.0468	0.4258	0.767	0.372	5.33	1.10	0.145	0.496	---	---	17
18	---	---	0.0408	0.4658	0.832	0.286	7.38	0.964	0.158	0.430	---	---	18
19	---	---	0.0468	0.4808	0.827	0.228	9.27	1.13	0.173	0.497	---	---	19
20	---	---	0.0808	0.4908	0.901	0.323	8.76	0.836	0.185	0.415	---	---	20
21	---	---	0.0708	0.4988	0.824	0.631	8.02	0.676	0.257	0.430	---	---	21
22	---	---	0.0658	0.5008	0.843	0.624	7.43	0.531	0.278	0.426	---	---	22
23	---	---	0.0468	0.4858	2.37	0.600	7.12	0.490	0.234	0.468	---	---	23
24	---	---	0.0408	0.4808	2.68	0.483	6.86	0.321	0.316	0.448	---	---	24
25	---	---	0.0428	0.4208	2.90	0.325	6.27	0.268	0.310	0.404	---	---	25
26	---	---	0.0508	0.3908	2.66	0.244	5.89	0.240	0.262	0.383	---	---	26
27	---	---	0.0708	0.3728	2.49	0.180	5.66	0.232	0.570	0.381	---	---	27
28	---	---	0.1008	0.3708	1.85	0.121	5.29	0.178	0.788	0.3888	---	---	28
29	---		0.1408	0.3808	1.67	0.080	5.29	0.181	0.772	0.3858	---	---	29
30	---		0.1858	0.4108	1.14	0.060	5.85	0.116	0.881	0.3158	---	---	30
31	---		0.2208		0.858		5.48	0.111		0.2878		---	31
TOTAL	---	---	3.504	12.243	40.649	12.839	111.085	55.252	7.088	15.839	---	---	TOTAL
MEAN	---	---	0.113	0.408	1.31	0.418	3.58	1.81	0.237	0.501	---	---	MEAN
MAX	---	---	0.270	0.520	2.90	0.886	9.27	5.10	0.772	0.844	---	---	MAX
MIN	---	---	0.039	0.260	0.630	0.060	0.002	0.111	0.104	0.257	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.05
MAXIMUM DAILY, 9.27 ON JUL 19
MINIMUM DAILY, 0.002 ON JUL 2
MAXIMUM INSTANTANEOUS,
9.95 AT 12:47 MST ON JUL 19

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 37 07 N
LONG 114 05 08 W

E - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	9 600
FEB	---	AUG	4 880
MAR	303	SEP	612
APR	1 060	OCT	1 240
MAY	3 810	NOV	---
JUN	1 060	DEC	---

TOTAL DISCHARGE, 22 600 dam³

BIRCH RIVER BELOW ALICE CREEK - STATION NO 07XE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.428	1.44 B	0.6238	0.5748	98.4	135	174	48.2	17.7	6.13	5.048	2.628	1
2	1.388	1.44 B	0.6966	0.5218	97.3	129	163	54.2	16.6	6.29	5.008	2.568	2
3	1.358	1.44 B	0.5828	0.4828	81.1	106	152	63.5	15.8	6.34	5.138	2.578	3
4	1.498	1.45 B	0.5838	0.6718	88.4	94.7	143	65.5	15.6	6.27	5.008	2.658	4
5	1.458	1.43 B	0.6268	0.8688	93.8	86.8	152	63.4	16.3	6.28	4.498	2.568	5
6	1.368	1.39 B	0.6178	0.8518	89.8	77.2	154	61.6	16.0	6.31	4.828	2.588	6
7	1.388	1.37 B	0.6218	1.42 B	102	69.7	148	58.3	15.4	6.33	4.598	2.548	7
8	1.398	1.36 B	0.6848	1.97 B	110	68.0	145	57.8	14.8	5.63	4.458	2.508	8
9	1.358	1.35 B	0.4858	3.84 B	121	66.9	139	57.4	14.2	5.86	4.308	2.518	9
10	1.358	1.35 B	0.4838	2.10 B	136	62.1	132	58.3	13.6	6.01	4.158	2.618	10
11	1.388	1.35 B	0.4808	2.27 B	149	58.2	125	57.7	13.7	9.38	4.008	2.518	11
12	1.388	1.19 B	0.4958	2.86 B	155	55.8	117	56.2	12.8	9.73	3.868	2.508	12
13	1.288	1.21 B	0.4808	3.77 B	160	53.6	111	53.6	11.3	10.2	3.858	2.508	13
14	1.388	1.19 B	0.4788	4.48 B	160	50.2	106	50.3	10.8	10.8	3.958	2.488	14
15	1.358	1.18 B	0.4638	5.19 B	153	47.0	103	48.9	9.86	11.1	3.988	2.468	15
16	1.328	1.13 B	0.4828	5.13 B	145	43.7	99.9	47.4	9.33	11.3	3.428	2.448	16
17	1.298	1.11 B	0.4798	7.63 B	136	40.7	94.3	41.1	8.81	11.4	3.298	2.448	17
18	1.318	1.10 B	0.4668	10.6 B	125	38.1	87.2	36.6	8.54	11.4	3.188	2.438	18
19	1.318	1.04 B	0.4388	14.6 B	118	36.2	78.3	36.6	8.31	11.2	3.108	2.428	19
20	1.388	0.9838	0.4398	16.7 B	107	47.0	72.9E	36.3	7.91	11.0	2.998	2.388	20
21	1.318	0.9648	0.4288	17.8 B	100	73.4E	66.0E	36.2	7.40	10.8	2.868	2.398	21
22	1.288	0.8838	0.4078	19.6 B	147	119 A	61.0E	32.9	6.99	10.1	2.768	2.338	22
23	1.318	0.8108	0.3868	24.8 B	175	156	55.8E	31.5	6.67	9.86	2.638	2.328	23
24	1.338	0.7658	0.3928	23.4 B	184	180	52.8E	30.8	6.72	9.92	2.538	2.338	24
25	1.368	0.7189	0.4058	42.4 B	198	198	51.8	30.4	6.67	9.19	2.488	2.308	25
26	1.418	0.6859	0.3848	55.3 B	205	202	48.2	27.4	6.31	8.90	2.468	2.288	26
27	1.438	0.6339	0.4058	70.0 B	204	203	46.3	25.8	6.24	8.84	2.428	2.268	27
28	1.418	0.6158	0.4548	88.5	198	201	43.7	24.3	6.08	8.058	2.448	2.268	28
29	1.438		0.5888	71.4	188	194	41.4	23.6	6.05	5.760	2.588	2.268	29
30	1.438		0.6398	62.8	188	188	41.6	20.8	6.04	5.218	2.588	2.268	30
31	1.438		0.6718		151		44.0	19.0		4.718		2.278	31
TOTAL	41.88	31.278	15.183	953.367	4 204.0	3 667.2	3 969.8	1 348.0	319.93	203.58	109.74	75.20	TOTAL
MEAN	1.34	1.12	0.480	18.6	135	102	88.6	43.5	10.7	6.50	3.89	2.43	MEAN
MAX	1.65	1.45	0.671	71.4	205	203	174	65.5	17.7	11.4	5.13	3.88	MAX
MIN	1.28	0.615	0.344	0.471	88.4	38.1	41.4	19.0	6.04	4.71	2.42	2.26	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 35.8
MAXIMUM DAILY, 205 ON MAY 26
MINIMUM DAILY, 0.3848 ON MAR 26
MAXIMUM INSTANTANEOUS,
207 AT 22:52 MST 26 MAY 26

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 64 16 40 N
LONG 113 04 05 W
DRAINAGE AREA, 9 860 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 690	JUL 264 000	
FEB	3 700	AUG 118 000	
MAR	1 310	SEP 27 600	
APR	47 600	OCT 22 600	
MAY	383 000	NOV 9 570	
JUN	365 000	DEC 6 590	

TOTAL DISCHARGE, 1 130 000 dam³

BLACKMUD CREEK NEAR ELLERSLIE - STATION NO 05DF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2.89 B	0.87	0.283	0.023	0.017	0.018	0	0.307	0.013	---	1
2	---	---	4.55 B	0.33	0.294	0.018	0.018	0.017	0	0.596	0.010	---	2
3	---	---	4.18 B	0.74	0.326	0.018	0.018	0.015	0	0.302	0.007	---	3
4	---	---	3.81 B	0.54	0.314	0.009	0.018	0.018	0	0.151	0.0064	---	4
5	---	---	3.15 B	0.24	0.192	0.006	0.020	0.021	0	0.378	---	---	5
6	---	---	2.85 B	1.89	0.153	0.018	0.022	0.021	0	0.188	---	---	6
7	---	---	2.15 B	1.70	0.140	0.018	0.021	0.021	0	0.069	---	---	7
8	---	---	1.85 B	1.56	0.118	0.017	0.024	0.022	0	0.049	---	---	8
9	---	---	1.15 B	0.28	0.111	0.018	0.027	0.025	0	0.038	---	---	9
10	---	---	0.8983	1.15	0.089	0.016	0.111	0.021	0	0.038	---	---	10
11	---	---	0.5388	1.07	0.104	0.018	0.293	0.018	0.004	0.035	---	---	11
12	---	---	0.4388	1.01	0.100	0.017	0.080	0.016	0.426	0.030	---	---	12
13	---	---	0.6068	0.900	0.095	0.018	0.045	0.014	0.456	0.036	---	---	13
14	---	---	0.5068	0.833	1.19	0.018	0.680	0.012	0.197	0.032	---	---	14
15	---	---	0.5138	0.774	1.00	0.019	0.290	0.010	0.085	0.029	---	---	15
16	---	---	1.18 B	0.703	0.838	0.020	0.080	0.008	0.054	0.038	---	---	16
17	---	---	2.07 B	0.674	0.444	0.020	0.048	0.007	0.042	0.017	---	---	17
18	---	---	2.33 B	0.699	0.368	0.020	2.89	0.006	0.078	0.018	---	---	18
19	---	---	4.10 B	0.645	0.348	0.027	1.00	0.003	0.036	0.018	---	---	19
20	---	---	5.80 B	0.634	0.337	0.091	0.898	0.002	0.016	0.017	---	---	20
21	---	---	5.14 B	0.496	0.358	0.188	0.423	0.001	0.010	0.017	---	---	21
22	---	---	5.63 B	0.435	0.181	0.048	0.164	0	0.006	0.054	---	---	22
23	---	---	4.77 B	0.431	0.201	0.035	0.087	0	0.007	0.039	---	---	23
24	---	---	3.97 B	0.393	0.206	0.038	0.068	0	0.007	0.033	---	---	24
25	---	0 B	3.71 B	0.348	0.183	0.038	0.263	0	0.006	0.017	---	---	25
26	---	0 B	4.85 B	0.383	0.182	0.028	0.134	0	0.010	0.016	---	---	26
27	---	0 B	4.78 B	0.389	0.137	0.026	0.083	0	0.881	0.011	---	---	27
28	---	0.1009	4.53 B	0.358	0.092	0.021	0.035	0	0.058	0.010	---	---	28
29	---		4.87 B	0.385	0.069	0.021	0.030	0	0.343	0.016	---	---	29
30	---		5.32	0.358	0.045	0.019	0.027	0	0.182	0.017	---	---	30
31	---		6.88		0.031		0.022	0		0.018	---	---	31
TOTAL	---	---	100.035	33.979	7.883	0.790	8.232	0.318	3.189	2.668	---	---	TOTAL
MEAN	---	---	3.35	1.13	0.267	0.026	0.288	0.010	0.106	0.079	---	---	MEAN
MAX	---	---	6.89	4.87	1.19	0.108	2.89	0.032	0.881	0.596	---	---	MAX
MIN	---	---	0.439	0.258	0.031	0.006	0.018	0	0	0.010	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.643
MAXIMUM DAILY, 6.89 ON MAR 30
MINIMUM DAILY, 0 ON AUG 23
MAXIMUM INSTANTANEOUS,
6.98 AT 11:00 MST 30 MAR 30

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 34 50 N
LONG 113 30 55 W
DRAINAGE AREA, 843 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL 711	
FEB	---	AUG 27.6	
MAR	6 990	SEP 276	
APR	2 840	OCT 213	
MAY	890	NOV ---	
JUN	98.3	DEC ---	

TOTAL DISCHARGE, 13 800 dam³

BLINDMAN RIVER NEAR BLACKFALDS - STATION NO. 05CC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2660	0.2270	5.000	4.17 B	4.[illegible]	2.66	0.621	4.63	0.457	2.83	1.11	0.6100 B	1
2	0.2640	0.2210	15.0 B	5.33 B	[illegible]	2.21	0.801	3.81	0.474	3.80	1.32	0.5600 B	2
3	0.2600	0.2160	15.3 B	4.50 B	[illegible]	1.66	0.986	3.38	0.537	4.88	1.40	0.5600 B	3
4	0.2780	0.2080	17.3 B	4.85 B	[illegible]	1.54	0.954	3.70	0.662	5.40	1.35	0.5300 B	4
5	0.2720	0.2020	17.5 B	4.50 B	3.[illegible]	1.37	0.830	2.20	0.608	4.84	1.32	0.5000 B	5
6	0.2680	0.1970	9.960	4.20	3.36	1.20	0.560	2.27	0.542	4.84	1.35	0.4900 B	6
7	0.2630	0.1910	5.980	3.43	3.56	1.10	0.950	4.70	0.525	4.85	1.05 B	0.4800 B	7
8	0.2580	0.1880	6.260	3.13	3.10	1.02	0.851	5.60	0.437	4.57	1.00 B	0.4700 B	8
9	0.2600	0.1840	6.510	2.65	2.63	0.920	1.10	5.13	0.416	4.15	0.9000 B	0.4600 B	9
10	0.2600	0.1790	6.450	2.92	2.66	0.857	1.42	4.44	0.425	2.67	0.8900 B	0.4500 B	10
11	0.2600	0.1730	5.080	2.67	2.67	0.769	1.66	3.49	0.542	3.24	0.8800 B	0.4400 B	11
12	0.2600	0.1680	4.360	2.23	3.02	0.710	1.78	3.66	0.531	3.23	0.8700 B	0.4300 B	12
13	0.2600	0.1620	2.870	1.89	4.71	0.673	2.62	2.11	0.630	2.96	0.8700 B	0.4100 B	13
14	0.2600	0.1560	3.280	1.66	6.56	0.641	2.73	1.78	0.528	2.65	0.8600 B	0.4000 B	14
15	0.2600	0.1500	2.770	1.37	11.4	0.723	3.06	1.56	0.585	2.47	0.8500 B	0.3900 B	15
16	0.2550	0.1500	4.110	0.600	10.5	0.769	3.34	1.56	0.763	2.32	0.8400 B	0.3800 B	16
17	0.2550	0.1500	4.210	0.520	38.3	0.721	6.60	1.44	0.893	2.09	0.8300 B	0.3700 B	17
18	0.2550	0.1500	5.190	0.475	64.6	0.807	35.8	1.23	0.875	1.96	0.8300 B	0.3600 B	18
19	0.2550	0.1500	5.010	0.403	66.6	1.11	98.9	1.09	0.841	1.87	0.8200 B	0.3600 B	19
20	0.2550	0.1500	5.140	0.344	51.9	1.10	135	0.880	0.852	1.77	0.8100 B	0.3500 B	20
21	0.2500	0.1500	6.400	0.585	31.6	0.995	79.4	0.880	0.747	1.68	0.8000 B	0.3400 B	21
22	0.2500	0.1500	15.1 B	1.12	22.0	0.916	38.1	0.785	0.685	1.71	0.8000 B	0.3400 B	22
23	0.2500	0.1500	19.6 B	1.11	22.3	1.10	30.6	0.728	0.653	1.55	0.7900 B	0.3400 B	23
24	0.2500	0.1500	17.6 B	1.10	15.9	1.10	12.6	0.707	0.714	1.53	0.7800 B	0.3400 B	24
25	0.2500	0.2000	16.4 B	1.22	11.6	0.910	10.4	0.666	0.872	1.67	0.7700 B	0.3400 B	25
26	0.2450	0.4000	5.120	1.71	8.00	0.861	8.87	0.660	1.61	1.55	0.7600 B	0.3300 B	26
27	0.2450	0.6000	3.140	1.42	7.30	0.723	7.63	0.580	1.63	1.51	0.7300 B	0.3300 B	27
28	0.2450	1.00 B	2.330	1.31	5.63	0.667	6.79	0.534	2.21	1.50	0.7000 B	0.3300 B	28
29	0.2450		2.170	1.39	4.51	0.612	6.06	0.491	3.64	1.38	0.6700 B	0.3300 B	29
30	0.2390		3.170	3.06	3.83	0.620	5.19	0.504	3.72	1.51	0.6400 B	0.3300 B	30
31	0.2330		4.210		3.17		4.79	0.460		1.53		0.3300 B	31
TOTAL	7.887	6.373	249.60	66.286	435.67	31.312	495.612	64.038	28.514	87.05	27.540	12.700	TOTAL
MEAN	0.254	0.228	8.05	2.21	14.1	1.04	16.0	2.07	0.950	2.81	0.921	0.410	MEAN
MAX	0.268	1.00	19.6	5.33	66.6	2.66	135	5.60	3.72	5.40	1.40	0.610	MAX
MIN	0.233	0.150	2.17	0.344	2.46	0.612	0.554	0.460	0.416	1.38	0.640	0.330	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.16
MAXIMUM DAILY, 135 ON JUL 20
MINIMUM DAILY, 0.1500 ON FEB 15
MAXIMUM INSTANTANEOUS,
149 AT 05:45 MST ON JUL 20

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 21 14 N
LONG 113 47 35 W
DRAINAGE AREA, 1 790 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	680	JUL	42 800
FEB	551	AUG	5 530
MAR	21 600	SEP	2 460
APR	5 720	OCT	7 520
MAY	37 700	NOV	2 380
JUN	2 710	DEC	1 100

TOTAL DISCHARGE, 131 000 dam³

BLINDMAN RIVER NEAR BLUFFTON - STATION NO. 05CC008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.20 B	2.02 B	3.37	0.820	0.617	1.09	0.089	1.13	---	---	1
2	---	---	1.08 B	1.30 B	2.83	0.699	0.674	0.747	0.085	1.78	---	---	2
3	---	---	1.05 B	1.30 B	3.25	0.448	0.660	0.634	0.081	2.49	0.2788	---	3
4	---	---	1.08 B	1.30 B	3.02	0.406	[illegible].087	0.538	0.081	3.48	---	---	4
5	---	---	0.8830	0.609	1.73	0.336	0.699	0.707	0.082	2.47	---	---	5
6	---	---	0.8260	0.715	2.07	0.364	0.401	2.88	0.080	1.81	---	---	6
7	---	---	0.7640	0.821	1.82	0.216	0.350	1.64	0.077	1.54	---	---	7
8	---	---	0.6890	0.412	1.60	0.192	0.369	1.10	0.075	1.44	---	---	8
9	---	---	0.6340	0.593	1.45	0.170	0.276	0.747	0.072	1.46	---	---	9
10	---	---	0.5600	0.461	1.21	0.164	0.401	0.521	0.080	1.21	---	---	10
11	---	---	0.7230	0.354	1.14	0.498	0.901	0.394	0.085	1.01	---	---	11
12	---	---	1.49 B	0.495	1.07	0.217	0.613	0.361	0.124	0.998	---	---	12
13	---	---	1.61 B	0.440	1.73	0.198	1.90	0.361	0.188	0.885	---	---	13
14	---	---	1.76 B	0.322	3.74	0.178	1.89	0.448	0.163	0.812	---	---	14
15	---	---	0.6500	0.347	3.63	0.161	3.27	0.332	0.149	0.780	---	---	15
16	---	---	0.6810	0.376	10.5	0.170	4.25	0.276	0.116	0.721	---	---	16
17	---	---	1.27 B	0.360	25.9	0.117	20.0	0.235	0.116	0.699	---	---	17
18	---	---	1.60 B	0.420	67.0	0.268	126	0.210	0.115	0.610	---	---	18
19	---	---	1.64 B	0.464	16.9	0.200	44.6	0.186	0.119	0.480	---	---	19
20	---	---	1.57 B	0.491	12.6	0.269	19.1	0.152	0.124	0.476	---	---	20
21	---	---	1.90 B	0.610	9.33	0.342	8.86	0.165	0.120	0.444	---	---	21
22	---	---	2.23 B	0.658	7.67	0.217	6.13	0.117	0.134	0.404	---	---	22
23	---	---	2.54 B	0.669	6.74	0.158	5.17	0.108	0.149	0.401	---	---	23
24	---	---	2.11 B	1.03	5.90	0.168	4.13	0.101	0.136	0.422	---	---	24
25	---	---	1.65 B	0.784	4.61	0.097	4.12	0.093	0.156	0.585	---	---	25
26	---	---	1.16 B	0.767	3.38	0.091	3.64	0.084	0.980	0.451	---	---	26
27	---	---	1.54 B	0.663	2.67	0.111	3.39	0.086	1.80	0.440	---	---	27
28	---	0.0730	2.41 B	1.02	2.53	0.086	2.71	0.089	0.035	0.437	---	---	28
29	---		2.61 B	2.07	1.76	0.078	2.48	0.081	0.417	0.433	---	---	29
30	---		2.41 B	4.31	1.43	0.071	2.16	0.080	0.804	0.412	---	---	30
31	---		2.30 B		0.998		1.48	0.087		0.390		---	31
TOTAL	---	---	46.231	26.226	197.688	7.311	267.243	15.895	6.937	31.090	---	---	TOTAL
MEAN	---	---	1.49	0.874	6.38	0.244	8.62	0.513	0.231	1.00	---	---	MEAN
MAX	---	---	2.23	4.31	67.0	0.820	126	2.88	1.80	3.48	---	---	MAX
MIN	---	---	0.560	0.360	0.998	0.071	0.087	0.080	0.035	0.390	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.44
MAXIMUM DAILY, 126 ON JUL 18
MINIMUM DAILY, 0.035 ON SEP 28
MAXIMUM INSTANTANEOUS,
213 AT 11:00 MST ON JUL 18

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 45 22 N
LONG 114 17 02 W
DRAINAGE AREA, 352 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	23 100
FEB	---	AUG	1 370
MAR	3 980	SEP	599
APR	2 270	OCT	2 690
MAY	17 100	NOV	---
JUN	632	DEC	---

TOTAL DISCHARGE, 51 800 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS DERIVED FROM HIGH WATER MARK

BLOOD INDIAN CREEK NEAR CABIN LAKE - STATION NO. 05CK007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0.140	0	---	1
2	---	---	0	0	0	0	0	0	0	0.153	0	---	2
3	---	---	0	0	0	0	0	0	0	0.154	0	---	3
4	---	---	0	0	0	0	0	0	0	0.170	0	---	4
5	---	---	0	0	0	0	0	0	0	0.171	0	---	5
6	---	---	0	0	0	0	0	0	0	0.174	---	---	6
7	---	---	0	0	0	0	0	0	0	0.175	---	---	7
8	---	---	0	0	0	0	0	0	0	0.165	---	---	8
9	---	---	0	0	0	0	0	0	0	0.112	---	---	9
10	---	---	0	0	0	0	0	0	0	0.045	---	---	10
11	---	---	0	0	0	0	0	0	0	0.015	---	---	11
12	---	---	0	0	0	0	0	0	0	0.011	---	---	12
13	---	---	0	0	0	0	0	0	0	0.006	---	---	13
14	---	---	0	0	0	0	0	0	0	0.004	---	---	14
15	---	---	0	0	0	0	0	0	0	0.001	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	0	0	0	0	0	0	0	0	0	---	---	27
28	---	0	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0.067	0	---	---	29
30	---		0	0	0	0	0	0	0.084	0	---	---	30
31	---		0		0	0	0	0	0.098	0	---	---	31
					0		0	0		0			
TOTAL	---	---	0	0	0	0	0	0	0.249	1.801	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0.008	0.048	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0.098	0.175	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.007
MAXIMUM DAILY, 0.175 ON OCT 7
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.185 AT 01:39 MST ON OCT 7

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 61 05 44 N
LONG 111 14 19 W
DRAINAGE AREA, 320 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	21.5
APR	0	OCT	130
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 152 dam³

BLOOD INDIAN CREEK NEAR THE MOUTH - STATION NO. 05CK001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.003	0.008	0.007	0.005	0.008	0.008	0.008	0.011	0.010	---	1
2	---	---	0.005	0.008	0.008	0.005	0.007	0.008	0.008	0.011	0.010	---	2
3	---	---	0.004	0.007	0.007	0.005	0.008	0.008	0.008	0.011	0.010	---	3
4	---	---	0.005	0.007	0.009	0.005	0.007	0.008	0.008	0.012	0.010	---	4
5	---	---	0.005	0.008	0.008	0.006	0.008	0.008	0.007	0.012	0.010A	---	5
6	---	---	0.005	0.007	0.007	0.005	0.008	0.005	0.008	0.012	---	---	6
7	---	---	0.005	0.007	0.007	0.007	0.005	0.005	0.008	0.011	---	---	7
8	---	---	0.005	0.006	0.006	0.005	0.005	0.005	0.008	0.011	---	---	8
9	---	---	0.005	0.006	0.006	0.005	0.006	0.005	0.005	0.011	---	---	9
10	---	---	0.006	0.006	0.007	0.005	0.007	0.005	0.007	0.011	---	---	10
11	---	---	0.007	0.006	0.009	0.004	0.007	0.006	0.006	0.011	---	---	11
12	---	---	0.007	0.006	0.007	0.004	0.006	0.005	0.006	0.011	---	---	12
13	---	---	0.007	0.007	0.007	0.005	0.005	0.005	0.007	0.011	---	---	13
14	---	---	0.007	0.007	0.010	0.005	0.006	0.005	0.007	0.011	---	---	14
15	---	---	0.008	0.008	0.008	0.005	0.005	0.005	0.007	0.010	---	---	15
16	---	---	0.008	0.008	0.008	0.005	0.006	0.006	0.007	0.010	---	---	16
17	---	---	0.010	0.007	0.011	0.005	0.006	0.005	0.007	0.009	---	---	17
18	---	---	0.010	0.007	0.011	0.004	0.005	0.005	0.007	0.009	---	---	18
19	---	---	0.009	0.007	0.011	0.007	0.005	0.005	0.008	0.010	---	---	19
20	---	---	0.009	0.007	0.008	0.005	0.005	0.005	0.009	0.010	---	---	20
21	---	---	0.009	0.007	0.008	0.005	0.005	0.006	0.008	0.010	---	---	21
22	---	---	0.008	0.008	0.009	0.006	0.005	0.006	0.008	0.010	---	---	22
23	---	---	0.008	0.008	0.010	0.005	0.005	0.006	0.008	0.010	---	---	23
24	---	---	0.008	0.008	0.010	0.007	0.005	0.006	0.008	0.010	---	---	24
25	---	---	0.008	0.007	0.008	0.007	0.005	0.007	0.028	0.010	---	---	25
26	---	---	0.008	0.007	0.008	0.006	0.005	0.007	0.017	0.010	---	---	26
27	---	0.0048	0.008	0.007	0.008	0.006	0.006	0.007	0.013	0.010	---	---	27
28	---	0.005	0.009	0.007	0.007	0.006	0.006	0.006	0.012	0.010	---	---	28
29	---		0.010	0.007	0.008	0.008	0.005	0.006	0.012	0.011	---	---	29
30	---		0.008	0.007	0.008	0.005	0.005	0.006	0.012	0.012	---	---	30
31	---		0.008		0.008		0.005	0.006		0.011			31
TOTAL	---	---	0.236	0.208	0.248	0.172	0.181	0.173	0.288	0.328	---	---	TOTAL
MEAN	---	---	0.007	0.007	0.008	0.006	0.006	0.006	0.009	0.011	---	---	MEAN
MAX	---	---	0.010	0.008	0.011	0.011	0.008	0.007	0.028	0.012	---	---	MAX
MIN	---	---	0.004	0.006	0.006	0.004	0.005	0.005	0.006	0.009	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.007
MAXIMUM DAILY, 0.028 ON SEP 25
MINIMUM DAILY, 0.004 ON MAR 3
MAXIMUM INSTANTANEOUS,
0.037 AT 15:22 MST ON SEP 25

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 60 57 26 N
LONG 111 03 30 W
DRAINAGE AREA, 885 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	16.5
FEB	---	AUG	14.9
MAR	18.5	SEP	22.4
APR	18.1	OCT	28.4
MAY	21.4	NOV	---
JUN	14.8	DEC	---

TOTAL DISCHARGE, 155 dam³

BOUNTIFUL COULEE INFLOW NEAR CRANFORD - STATION NO. 05AG026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.002	0.182	0.255	0.235	0.289	0.689	0.003E	---	1
2	---	---	---	---	0.002	0.198	0.244	0.254	0.262	0.645	0.003E	---	2
3	---	---	---	---	0.002	0.245	0.388	0.312	0.295	0.614	0.003E	---	3
4	---	---	---	---	0.008	0.188	0.491	0.285	0.381	0.535	0.003E	---	4
5	---	---	---	---	0.013	0.237	0.448	0.305	0.448	0.512	0.003A	---	5
6	---	---	---	---	0.011	0.377	0.378	0.255	0.283	0.487	---	---	6
7	---	---	---	---	0.009	0.376	0.434	0.293	0.305	0.458	---	---	7
8	---	---	---	---	0.012	0.358	0.618	0.301	0.292	0.454	---	---	8
9	---	---	---	---	0.008	0.371	0.501	0.285	0.328	0.402	---	---	9
10	---	---	---	---	0.005	0.366	0.498	0.232	0.337	0.208A	---	---	10
11	---	---	---	---	0.008	0.361	0.529	0.277	0.311	0.030E	---	---	11
12	---	---	---	---	0.004	0.333	0.548	0.332	0.281	0.005E	---	---	12
13	---	---	---	---	0.005	0.382	0.493	0.266	0.313	0.001E	---	---	13
14	---	---	---	---	0.004	0.288	0.397	0.242	0.540	0.001E	---	---	14
15	---	---	---	---	0.040	0.300	0.388	0.216	0.651	0.001E	---	---	15
16	---	---	---	---	0.023	0.295	0.544	0.218	0.562	0.001E	---	---	16
17	---	---	---	---	0.004	0.327	0.511	0.219	0.573	0.001A	---	---	17
18	---	---	---	---	0.003	0.418	0.423	0.237	0.613	0.001E	---	---	18
19	---	---	---	---	0.002	0.463	0.289	0.211	0.594	0.001E	---	---	19
20	---	---	---	---	0.001	0.540	0.288	0.248	0.570	0.001E	---	---	20
21	---	---	---	---	0.001	0.562	0.243	0.188	0.583	0.001E	---	---	21
22	---	---	---	---	0.002	0.459	0.258	0.185	0.601	0.001E	---	---	22
23	---	---	---	---	0.002	0.383	0.282	0.220	0.611	0.001E	---	---	23
24	---	---	---	0.001A	0.001	0.361	0.332	0.280	0.615	0.001E	---	---	24
25	---	---	---	0.001	0.001	0.415	0.332	0.320	0.761	0.002E	---	---	25
26	---	---	---	0.001	0.001	0.349	0.455	0.238	0.879	0.002E	---	---	26
27	---	---	---	0.001	0.001	0.265	0.409	0.227	0.969	0.002E	---	---	27
28	---	---	---	0.001	0	0.223	0.394	0.219	0.888	0.002E	---	---	28
29	---		---	0.001	0	0.304	0.374	0.244	0.813	0.002E	---	---	29
30	---		---	0.001	0.087	0.199	0.333	0.322	0.726	0.002E	---	---	30
31	---		---		0.182		0.276	0.351		0.002E	---	---	31
TOTAL	---	---	---	---	0.435	10.056	12.225	7.893	15.642	5.077	---	---	TOTAL
MEAN	---	---	---	---	0.014	0.335	0.394	0.255	0.521	0.164	---	---	MEAN
MAX	---	---	---	---	0.182	0.562	0.548	0.351	0.969	0.689	---	---	MAX
MIN	---	---	---	---	0	0.182	0.243	0.185	0.262	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.279
MAXIMUM DAILY, 0.969 ON SEP 27
MINIMUM DAILY, 0 ON MAY 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 47 08 N
LONG 112 18 55 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 080
FEB	---	AUG	682
MAR	---	SEP	1 350
APR	---	OCT	439
MAY	37 5	NOV	---
JUN	869	DEC	---

TOTAL DISCHARGE, 4 440 dam³

BOW RIVER ABOVE CARSELAND DAM - STATION NO. 05BM010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	52.0	54.5	483	199	108	79.6	126	107	---	1
2	---	---	---	54.1	39.0	489	186	102	81.6	138	119	---	2
3	---	---	---	56.5	38.3	466	180	82.7	83.6	138	122	---	3
4	---	---	---	59.2	39.1	456	169	91.6	78.9	131	108	---	4
5	---	---	---	56.1	54.5	431	189	78.4	85.2	130	93.8A	---	5
6	---	---	---	49.1	55.8	421	161	88.3	85.1	131	---	---	6
7	---	---	---	51.0	59.7	401	148	84.7	85.0	135	---	---	7
8	---	---	---	58.4	48.7	387	115	85.3	85.2	142	---	---	8
9	---	---	---	58.4	51.8	396	91.8	83.7	86.6	148	---	---	9
10	---	---	---	72.4	59.2	401	80.4	73.7	88.3	138	---	---	10
11	---	---	---	70.4	63.7	383	107	75.3	113	133	---	---	11
12	---	---	---	65.8	69.6	347	111	82.6	93.8	130	---	---	12
13	---	---	---	54.6	69.7	335	109	80.8	78.8	125	---	---	13
14	---	---	---	54.2	68.9	320	112	77.0	76.6	123	---	---	14
15	---	---	---	46.8	119	292	113	82.5	74.1	121	---	---	15
16	---	---	---	57.4	111	298	106	83.3	69.7	124	---	---	16
17	---	---	---	70.3	91.5	306	160	81.3	101	130	---	---	17
18	---	---	53.8	80.4	89.4	280	210	80.4	73.6	130	---	---	18
19	---	---	57.0	69.3	105	232	206	82.5	71.9	129	---	---	19
20	---	---	54.8	59.4	110	231	175	86.1	86.1	127	---	---	20
21	---	---	54.7	59.2	133	245	134	84.3	83.1	131	---	---	21
22	---	---	57.1	61.3	177	234	169	85.8	89.3	124	---	---	22
23	---	---	46.8	69.3	188	206	168	85.4	85.0	114	---	---	23
24	---	---	41.1	61.9	176	188	168	84.9	87.4	102	---	---	24
25	---	---	46.7	44.5	180	130	186	87.0	103	89.5	---	---	25
26	---	---	56.3	44.0	147	138	189	89.6	108	88.4	---	---	26
27	---	---	60.0	49.8	223	172	161	82.3	180	87.5	---	---	27
28	---	---	64.7	44.9	259	176	153	82.8	184	88.0	---	---	28
29	---		60.0	37.5	282	211	184	80.4	144	86.8	---	---	29
30	---		53.6	36.5	366	222	145	86.5	121	86.7	---	---	30
31	---		52.6		473		127	87.7		87.8	---	---	31
TOTAL	---	---	---	1 704.1	3 984.5	9 284	4 687.8	2 275.7	2 792.8	3 722.6	---	---	TOTAL
MEAN	---	---	---	56.8	139	308	151	73.4	93.1	120	---	---	MEAN
MAX	---	---	---	72.4	473	489	210	108	180	148	---	---	MAX
MIN	---	---	---	36.9	36.3	130	90.4	64.3	69.0	86.8	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 133

MINIMUM DAILY, 36.3 ON MAY 3
MAXIMUM INSTANTANEOUS,
509 AT 15:21 MST ON MAY 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT N
LONG W

A - MANUAL GAUGE

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	403 000
FEB	---	AUG	197 000
MAR	---	SEP	241 000
APR	147 000	OCT	322 000
MAY	344 000	NOV	---
JUN	802 000	DEC	---

TOTAL DISCHARGE, 2 480 000 dam³

BOW RIVER AT BANFF - STATION NO. 05BB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.748	8.469	9.338	8.51	9.47	312	146	73.8	55.9	26.0E	19.8	13.1 B	1
2	8.199	8.229	8.298	8.44	9.74	313	138	71.3	54.2	29.0E	20.3	13.9 B	2
3	7.268	7.858	8.248	8.36	10.4	299	144	73.8	54.1	29.1E	20.8	10.6 B	3
4	6.628	7.498	8.478	8.28	13.0	282	126	76.2	53.1	28.9E	20.3	9.088	4
5	6.608	7.428	8.738	8.57	14.9	221	109	81.2	54.0	27.0E	20.2	10.2 B	5
6	6.308	7.908	8.438	8.80	16.2	207	97.5	80.1	48.5	28.9E	20.1	11.6 B	6
7	6.158	7.608	8.338	8.83	16.5	213	94.1	76.1	44.3	29.9E	18.7	11.3 B	7
8	6.648	7.358	8.598	9.17	16.8	218	93.9	75.7	40.4	28.7E	13.8	10.9 B	8
9	9.298	7.058	8.698	9.96	18.1	211	97.9	75.4	39.1	27.1A	9.77	10.6 B	9
10	9.118	6.958	8.588	10.7	19.6	191	101	73.7	38.7	26.5	7.488	10.5 B	10
11	8.638	6.808	8.388	10.1	19.7	203	101	75.5	38.4	25.7	8.858	10.6 B	11
12	9.748	6.508	8.908	9.12	19.0	196	101	80.1	36.7	24.9	10.1 B	10.8 B	12
13	9.538	6.358	8.638	8.26	18.8	171	95.9	82.6	34.4	24.5	11.4 B	10.9 B	13
14	9.058	6.308	8.288	8.65	18.4	157	90.9	82.0	32.4	24.3	13.7 B	11.1 B	14
15	9.308	6.208	8.288	8.75	17.2	178	89.2	82.0	31.0	23.9	14.4 B	11.8 B	15
16	9.508	6.058	8.30	8.78	16.8	187	88.8	73.5	30.6	23.6	15.2 B	11.7 B	16
17	9.358	5.958	8.29	8.84	17.0	149	103	66.9	31.4	23.3	15.9 B	10.9 B	17
18	9.008	5.558	8.10	8.38	18.8	165	108	62.8	31.5	23.0	16.1 B	10.5 B	18
19	8.908	5.708	8.03	8.27	22.2	193	111	61.2	30.0	22.4	16.3 B	11.4 B	19
20	8.858	6.158	8.06	8.54	31.9	169	116	58.3	29.2	22.3	16.9 B	11.5 B	20
21	8.828	6.508	8.24	9.56	43.2	137	117	54.9	28.1	21.9	17.1 B	11.8 B	21
22	8.858	7.168	8.13	11.1	47.8	121	115	52.7	26.9	21.5	16.9 B	12.4 B	22
23	8.818	7.358	8.00	12.0	46.4	117	116	52.0	25.8	21.1	16.6 B	12.6 B	23
24	8.818	7.358	8.46	11.5	45.7	142	113	51.3	25.4	20.7	16.5 B	12.6 B	24
25	8.098	8.458	8.24	11.1	52.0	180	105	50.6	26.2	20.6	15.5 B	12.6 B	25
26	8.778	8.328	8.18	10.8	86.2	169	103	48.7	29.8	20.4	15.2 B	12.3 B	26
27	8.718	7.938	8.42	10.5	157	137	107	48.2	30.1	21.8	15.3 B	12.2 B	27
28	8.678	8.198	9.21	10.8	213	130	98.4	48.8	29.1	23.7	14.6 B	12.2 B	28
29	8.398		9.66	10.2	253	127	95.6	51.8	27.7	22.7	11.8 B	12.0 B	29
30	8.628		9.30	9.91	278	161	88.0	57.1	27.0A	22.2	10.6 B	12.1 B	30
31	8.718		8.82		306		80.4	58.7		21.8		9.538	31
TOTAL	250.01	195.07	262.62	284.17	1 872.71	5 578	3 290.6	2 058.8	1 084.1	758.2	460.30	355.41	TOTAL
MEAN	8.39	7.11	8.47	9.47	60.4	186	106	66.4	36.1	24.5	15.3	11.5	MEAN
MAX	9.74	8.45	9.86	12.0	306	313	148	82.6	55.9	29.5	20.8	13.9	MAX
MIN	5.60	5.55	8.00	8.26	9.47	117	80.4	48.2	25.4	20.4	7.48	9.09	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 45.1
MAXIMUM DAILY, 313 ON JUN 2
MINIMUM DAILY, 5.558 ON FEB 16
MAXIMUM INSTANTANEOUS
317 AT 16 15 MST ON JUN 2

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 10 30 N
LONG 115 34 10 W
DRAINAGE AREA, 2 210 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	22 500	JUL	284 000
FEB	17 200	AUG	178 000
MAR	22 700	SEP	93 700
APR	24 600	OCT	65 500
MAY	162 000	NOV	39 800
JUN	482 000	DEC	30 700

TOTAL DISCHARGE, 1 420 000 dam³

BOW RIVER AT CALGARY - STATION NO. 05BH004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	95.0B	91.0B	93.0B	94.3	83.6	367	216	134	89.3	78.6	80.7	74.0B	1
2	91.0B	90.0B	84.0B	96.3	90.3	413	226	118	88.8	78.2	85.7	74.0B	2
3	86.0B	85.0B	83.0B	97.8	47.1	420	190	106	90.6	77.6	78.2	73.0B	3
4	92.0B	94.0B	89.0B	97.3	49.4	418	207	126	88.4	75.8	68.0	75.0B	4
5	82.0B	90.0B	91.0B	90.3	56.6	386	189	118	90.2	75.3	65.4	78.0B	5
6	83.0B	83.0B	82.0B	86.9	59.3	346	167	123	88.9	74.9	54.6	89.0B	6
7	84.0B	83.0B	99.0B	92.2	68.3	336	161	119	89.3	77.7	58.0B	88.0B	7
8	85.0B	82.0B	85.0B	91.0	80.1	339	133	130	89.4	80.1	55.0B	84.0B	8
9	84.0B	89.0B	86.0B	83.9	82.4	347	167	118	87.6	79.0	55.0B	84.0B	9
10	86.0B	82.0B	83.0B	81.9	81.4	355	124	112	88.3	76.6	54.0B	86.0B	10
11	81.0B	81.0B	86.0B	87.7	88.7	338	132	114	85.3	74.9	54.0B	83.0B	11
12	84.0B	81.0B	82.0B	87.8	83.4	318	131	118	84.8	74.1	55.0B	88.0B	12
13	86.0B	81.0B	84.0B	85.2	86.6	318	128	109	73.0	73.3	86.0B	85.0B	13
14	71.0B	85.0B	82.0B	83.6	87.3	294	136	110	71.0	74.2	86.0B	82.0B	14
15	70.0B	88.0B	84.0B	86.6	90.2	378	135	114	70.2	73.6	84.0B	81.0B	15
16	71.0B	80.0B	83.0B	86.1	75.9	388	133	118	70.3	86.9	84.0B	84.0B	16
17	71.0B	80.0B	81.0B	81.0	73.3	389	150	115	71.1	86.9	86.0B	84.0B	17
18	84.0B	88.0B	83.0B	86.9	77.1	380	188	110	83.8	87.1	85.0B	88.0B	18
19	82.0B	88.0B	82.0B	88.3	85.0	346	188	91.7	80.6	86.2	71.0B	78.0B	19
20	82.0B	81.0B	81.0B	84.2	82.0	381	161	90.3	86.2	85.2	71.0B	87.0B	20
21	82.0B	82.0B	86.3	85.4	86.7	377	180	90.1	86.5	86.6	72.0B	80.0A	21
22	82.7A	84.0B	80.3	89.9	105	369	161	91.8	86.6	75.6	71.0B	74.0B	22
23	39.0B	86.0B	84.1	90.6	110	339	182	90.9	87.6	86.8	72.0B	82.0B	23
24	38.0B	80.0B	84.8	87.2	117	190	177	90.7	87.2	86.6	75.0B	100 B	24
25	36.0B	84.0B	87.8	84.9	88.6	169	169	90.9	71.3	86.1	74.0B	91.0B	25
26	40.0B	75.0B	81.7	85.7	102	380	189	91.8	88.6	85.3	74.0B	77.0B	26
27	37.0B	83.0B	84.3	84.6	106	321	188	90.0	106	86.1	76.0B	80.0B	27
28	40.0B	79.0B	82.4	86.4	107	219	174	88.4	96.8	84.0	74.0B	77.0B	28
29	46.0B		83.1	84.5	127	233	173	89.3	81.0	w4.8	73.0B	79.0B	29
30	52.0B		81.0	82.8	275	219	156	91.7	80.1	84.9	74.0B	80.0B	30
31	61.0B		80.3		376		145	88.9		74.4		82.0B	31
TOTAL	1 701.0	1 553.0	1 780.1	1 948.9	2 939.5	8 841	5 086	2 282.5	2 349.8	2 283.8	1 971.6	2 295.0	TOTAL
MEAN	54.9	55.5	55.9	61.5	94.8	295	164	106	78.3	73.0	65.7	74.0	MEAN
MAX	71.0	93.0	73.0	63.8	376	420	226	134	106	87.1	85.7	100	MAX
MIN	37.0	43.0	43.0	43.6	47.1	169	107	88.4	88.5	84.0	84.0	80.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 97.5
MAXIMUM DAILY, 420 ON JUN 3
MINIMUM DAILY, 37.0B ON JAN 27
MAXIMUM INSTANTANEOUS,
427 AT 06 22 MST ON JUN 3

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 03 00 N
LONG 114 03 00 W
DRAINAGE AREA, 7 850 km²
B - ICE CONDITIONS
REGULATED SINCE 1913

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	147 000	JUL	439 000
FEB	134 000	AUG	284 000
MAR	152 000	SEP	203 000
APR	134 000	OCT	196 000
MAY	254 000	NOV	170 000
JUN	764 000	DEC	198 000

TOTAL DISCHARGE, 3 080 000 dam³

BOW RIVER AT LAKE LOUISE - STATION NO. 05BA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.288	1.728	1.328	1.608	2.12	88.4	36.0	16.4	17.7	5.18	3.90	2.258	1
2	1.188	1.678	1.328	1.578	2.12	88.6	36.5	17.0	17.4	4.86	3.87	2.008	2
3	1.088	1.808	1.358	1.548	2.58	82.7	35.7	18.6	18.1	4.79	3.56	1.878	3
4	1.038	1.588	1.378	1.508	2.99	83.8	30.3	20.0	17.4	4.86	3.54	1.868	4
5	1.008	1.618	1.388	1.48	3.34	48.6	26.7	20.4A	16.0	4.64	3.51	1.958	5
6	1.078	1.808	1.358	1.51	3.58	44.9	23.4	20.4E	13.7	4.61	3.40	2.108	6
7	1.118	1.588	1.388	1.428	3.80	46.7	23.1	20.5E	12.1	4.72	3.108	1.958	7
8	1.158	1.538	1.418	1.468	4.18	51.0	23.4	20.5A	11.3	4.73	2.558	1.898	8
9	1.828	1.488	1.398	1.668	4.85	48.6	25.0	21.2	11.6	4.73	1.678	1.798	9
10	1.558	1.428	1.398	1.758	4.78	42.2	26.5	21.4	10.9	4.64	1.808	1.758	10
11	1.708	1.378	1.458	1.688	4.78	45.7	26.6	22.4	10.1	4.48	2.158	1.788	11
12	2.008	1.308	1.438	1.508	4.66	42.2	26.2	23.6	8.94	4.43	2.458	1.788	12
13	2.008	1.268	1.408	1.488	4.48	36.6	25.0	24.3	8.05	4.31	2.688	1.778	13
14	1.988	1.218	1.398	1.518	4.08	34.6	23.6	24.6	7.35	4.20	2.908	1.848	14
15	1.988	1.178	1.398	1.62	3.84	38.7	22.0	24.3	6.85	4.10	3.038	1.938	15
16	1.958	1.168	1.398	1.84	3.92	36.1	20.7	21.0	7.09	4.01	3.098	1.788	16
17	1.988	1.118	1.328	1.61	4.33	33.3	24.4	19.0	7.88	3.95	3.138	1.748	17
18	1.958	1.088	1.338	1.57	5.17	36.4	22.6	18.4	7.16	3.86	3.228	1.728	18
19	1.908	1.118	1.358	1.59	7.16	41.5	21.1	17.7	6.59	3.78	3.258	1.738	19
20	1.908	1.148	1.358	1.80	9.10	35.8	21.4	16.5	6.27	3.73	3.248	1.788	20
21	1.898	1.168	1.368	2.07	10.7	29.9	22.7	15.7	5.89	3.67	3.208	1.838	21
22	1.888	1.188	1.348	2.25	11.4	25.9	23.7	15.4	5.59	3.63	3.188	1.868	22
23	1.888	1.218	1.318	2.368	12.1	25.7	25.5	15.2	5.30	3.56	3.228	1.908	23
24	1.858	1.268	1.358	2.378	12.4	31.7	25.4	15.4	5.18	3.50	3.288	1.908	24
25	1.838	1.338	1.358	2.268	14.5	34.6	24.0	15.5	5.34	3.47	3.258	1.908	25
26	1.828	1.318	1.368	2.13	18.3	34.2	24.6	15.2	5.87	3.51	3.208	1.868	26
27	1.818	1.288	1.27	2.16	29.0	32.0	22.6	15.6	5.97	4.30	3.168	1.808	27
28	1.798	1.318	1.788	2.10	41.9	31.5	20.9	15.7	5.71	4.20	3.008	1.778	28
29	1.788		1.898	2.268	53.3	35.6	20.1	16.2	5.34	3.89	2.608	1.758	29
30	1.788		1.698	2.02	64.2	39.1	17.7	16.8	5.26	3.87	2.088	1.728	30
31	1.788		1.638		68.9		16.4	16.0		3.82		1.878	31
TOTAL	51.46	37.73	43.77	53.45	423.36	1 235.5	761.8	587.8	277.89	130.05	90.01	57.18	TOTAL
MEAN	1.66	1.35	1.41	1.78	13.7	41.2	24.6	19.0	9.26	4.20	3.00	1.84	MEAN
MAX	2.00	1.72	1.89	2.37	88.9	88.6	36.5	24.6	18.1	5.18	3.90	2.25	MAX
MIN	1.00	1.08	1.27	1.42	2.12	25.7	16.4	15.2	5.16	3.47	1.67	1.67	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.3
MAXIMUM DAILY, 88.9 ON MAY 31
MINIMUM DAILY, 1.008 ON JAN 5
MAXIMUM INSTANTANEOUS,
70.8 AT 01:58 MST ON JUN 2

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 25 42 N
LONG 116 11 15 W
DRAINAGE AREA, 421 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	4 450	JUL	65 800
FEB	3 260	AUG	50 800
MAR	3 780	SEP	24 000
APR	4 620	OCT	11 200
MAY	36 600	NOV	7 780
JUN	107 000	DEC	4 940

TOTAL DISCHARGE, 324 000 dam³

BOW RIVER BELOW BASSANO DAM - STATION NO. 05BM004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.70	409	181	72.5	13.3	150	95.6	---	1
2	---	---	---	---	4.48	386	151	47.4	11.8	152	102	---	2
3	---	---	---	---	7.24	411	168	46.4	26.6	143	112	---	3
4	---	---	---	---	2.15	408	132	17.8	18.0	132	117 A	---	4
5	---	---	---	---	1.46	381	131	38.0	18.9	127	---	---	5
6	---	---	---	---	5.99	381	116	32.4	16.2	124	---	---	6
7	---	---	---	---	6.12	326	88.9	41.8	18.6	123	---	---	7
8	---	---	---	---	10.6	340	83.3	37.1	19.1	125	---	---	8
9	---	---	---	84.2 A	6.38	332	46.3	35.7	18.0	131	---	---	9
10	---	---	---	71.3	0.977	316	31.1	41.4	17.8	131	---	---	10
11	---	---	---	72.4	1.02	308	27.9	30.2	24.2	125	---	---	11
12	---	---	---	71.8	3.53	292	48.0	25.4	34.1	122	---	---	12
13	---	---	---	72.0	34.4	265	56.3	25.7	36.7	118	---	---	13
14	---	---	---	51.7	64.0	252	47.9	30.4	28.2	118	---	---	14
15	---	---	---	33.0	48.5	229	58.1	22.1	25.3	117	---	---	15
16	---	---	---	5.99	87.2	211	47.1	32.7	19.2	115	---	---	16
17	---	---	---	10.1	78.6	221	54.7	29.1	31.6	119	---	---	17
18	---	---	---	18.1	45.7	225	101	29.8	58.2	125	---	---	18
19	---	---	---	58.2	64.0	195	151	29.9	19.7	125	---	---	19
20	---	---	---	51.8	94.8	180	139	14.6	27.1	125	---	---	20
21	---	---	---	33.6	105	181	103	9.82	24.3	123	---	---	21
22	---	---	---	32.5	111	187	85.4	6.40	16.9	125	---	---	22
23	---	---	---	29.8	148	196	108	5.09	12.8	121	---	---	23
24	---	---	---	26.5	182	169	99.2	7.73	9.16	112	---	---	24
25	---	---	---	33.6	143	97.2	89.6	6.07	26.4	101	---	---	25
26	---	---	---	16.9	134	83.0	112	3.84	65.7	90.5	---	---	26
27	---	---	---	6.86	115	93.9	121	5.66	121	88.8	---	---	27
28	---	---	---	13.1	206	122	86.8	8.39	142	87.0	---	---	28
29	---	---	---	19.8	184	131	88.3	11.4	134	85.3	---	---	29
30	---	---	---	7.26	234	185	105	6.26	106	86.4	---	---	30
31	---	---	---		312		84.3	5.29		87.0		---	31
TOTAL	---	---	---	---	2 382.857	7 493.1	2 948.2	762.35	1 144.66	3 869.8	---	---	TOTAL
MEAN	---	---	---	---	76.9	250	95.1	24.6	38.2	118	---	---	MEAN
MAX	---	---	---	---	312	411	168	72.5	142	152	---	---	MAX
MIN	---	---	---	---	0.977	83.0	27.9	3.84	9.16	85.3	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 89.9
MAXIMUM DAILY, 411 ON JUN 3

MAXIMUM INSTANTANEOUS,
451 AT 07:08 MST ON JUN 1

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 45 00 N
LONG 112 32 20 W
DRAINAGE AREA, 20 300 km²
A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	295 000
FEB	---	AUG	85 800
MAR	---	SEP	88 800
APR	---	OCT	315 000
MAY	205 000	NOV	---
JUN	647 000	DEC	---

TOTAL DISCHARGE, 1 890 000 dam³

BOW RIVER BELOW BEARSPAW DAM - STATION NO. 05BM003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	54.6	48.6	56.9	53.0	59.6	383	248	155	90.9	73.6	84.2	73.6	1
2	51.6	46.5	58.6	55.2	47.6	405	268	132	91.1	75.7	87.8	74.1	2
3	55.4	50.2	58.1	55.7	44.2	412	216	120	91.2	75.4	76.6	73.0	3
4	59.1	50.0	53.8	54.1	45.1	409	236	143	91.2	73.6	68.8	74.6	4
5	46.6	46.4	56.5	46.0	54.6	399	212	134	91.8	73.6	66.6	77.6	5
6	30.3	57.9	58.3	45.0	57.3	358	190	140	92.0	73.6	66.6	68.6	6
7	24.1	57.5	54.4	49.6	55.3	351	171	136	91.6	75.5	59.0	67.7	7
8	53.8	47.3	41.6	59.2	59.6	354	137	148	90.9	78.4	66.0	64.1	8
9	63.7	45.1	43.9	60.8	60.8	364	118	132	80.1	78.5	64.3	64.3	9
10	58.3	47.7	47.6	58.2	60.3	367	143	125	77.4	76.0	65.1	65.7	10
11	61.3	47.0	51.6	52.6	64.6	351	151	127	78.9	75.4	66.6	63.5	11
12	60.7	55.7	56.6	41.7	62.4	344	148	130	75.7	76.0	65.1	68.3	12
13	66.9	55.7	58.6	40.7	72.7	345	149	121	72.6	73.6	67.8	64.6	13
14	70.0	50.5	56.6	36.5	81.6	318	152	125	68.0	75.4	68.3	61.7	14
15	69.4	44.2	40.2	41.9	68.5	301	155	128	66.1	74.6	67.0	60.6	15
16	69.7	45.6	39.5	50.0	73.6	316	151	133	61.6	69.2	66.6	64.4	16
17	69.6	46.6	46.9	51.9	72.6	315	169	131	62.2	80.6	67.1	63.6	17
18	64.6	42.0	57.7	53.1	78.1	285	228	108	59.5	80.6	62.7	67.9	18
19	63.1	44.4	57.3	42.6	84.5	274	213	66.6	58.5	80.6	71.6	76.6	19
20	67.6	46.6	56.4	39.6	80.3	290	177	69.4	56.5	66.6	72.4	66.6	20
21	62.4	39.7	59.2	40.6	66.1	305	187	69.2	55.2	69.3	72.6	60.2	21
22	62.2	35.6	46.1	64.6	108	280	206	101	54.6	76.6	73.6	73.7	22
23	58.1	41.6	41.6	64.6	113	256	207	69.4	56.6	70.5	73.6	61.7	23
24	56.6	46.6	64.6	60.6	120	217	201	69.3	55.4	67.3	74.6	69.6	24
25	59.0	58.6	60.4	59.6	67.6	197	213	69.3	58.5	66.6	75.5	60.6	25
26	60.0	69.1	61.2	59.6	105	233	211	100	60.1	66.6	74.6	76.5	26
27	56.0	65.6	66.4	59.2	108	250	188	92.6	69.0	66.7	75.5	60.5	27
28	60.2	72.6	60.3	56.6	109	249	197	61.1	64.0	66.6	76.3	76.7	28
29	69.2		69.2	59.4	139	242	196	61.1	66.5	66.6	74.0	76.3	29
30	62.7		66.5	61.2	269	246	181	61.4	76.6	66.0	73.3	60.3	30
31	60.6		66.6		372		166	61.6		76.3		62.3	31
TOTAL	1 606.2	1 423.5	1 646.1	1 617.7	2 962.4	9 616	5 777	3 612.3	2 266.6	2 291.6	2 004.3	2 292.2	TOTAL
MEAN	61.6	50.6	53.2	67.3	94.9	314	186	117	75.6	73.9	66.6	73.9	MEAN
MAX	70.0	65.6	66.6	61.2	372	412	268	155	69.0	80.6	67.6	66.6	MAX
MIN	24.1	35.6	39.6	36.6	44.2	197	116	66.6	54.6	66.6	64.2	60.2	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 101
MAXIMUM DAILY, 412 ON JUN 3
MINIMUM DAILY, 24.1 ON JAN 7

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 05 58 N
LONG 114 13 31 W
DRAINAGE AREA, 7 770 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	139 000	JUL	489 000
FEB	123 000	AUG	312 000
MAR	142 000	SEP	186 000
APR	122 000	OCT	198 000
MAY	254 000	NOV	173 000
JUN	814 000	DEC	198 000

TOTAL DISCHARGE, 3 170 000 dam³

BOW RIVER BELOW CARSELAND DAM - STATION NO. 05BM002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	52.0	54.5	483	204	108	78.6	138	107	---	1
2	---	---	---	54.1	38.0	489	201	102	81.6	138	118	---	2
3	---	---	---	56.6	36.3	488	186	82.7	83.8	136	122	---	3
4	---	---	---	58.2	39.1	456	163	91.6	78.9	131	108	---	4
5	---	---	---	56.1	54.5	421	186	78.4	85.2	130	93.8A	---	5
6	---	---	---	49.1	85.8	421	159	86.3	86.1	131	---	---	6
7	---	---	---	51.0	59.7	401	147	84.7	85.0	135	---	---	7
8	---	---	---	58.4	48.7	397	115	85.3	85.2	142	---	---	8
9	---	---	---	66.4	51.8	398	91.1	83.7	86.5	148	---	---	9
10	---	---	---	72.4	56.2	402	89.6	73.7	98.3	138	---	---	10
11	---	---	---	70.4	63.7	383	106	75.3	113	133	---	---	11
12	---	---	---	65.8	69.6	348	111	82.6	93.8	130	---	---	12
13	---	---	---	64.4	69.7	336	109	80.9	78.8	126	---	---	13
14	---	---	---	64.2	66.9	322	112	77.0	76.6	123	---	---	14
15	---	---	---	46.8	119	293	113	82.5	74.1	121	---	---	15
16	---	---	---	67.4	111	301	106	83.3	69.7	124	---	---	16
17	---	---	---	70.3	91.6	310	150	81.3	101	130	---	---	17
18	---	---	63.8	60.4	88.4	283	210	80.4	73.6	130	---	---	18
19	---	---	67.0	69.3	105	234	206	82.8	71.8	129	---	---	19
20	---	---	64.8	69.4	110	234	175	66.1	66.1	127	---	---	20
21	---	---	64.7	68.2	123	248	134	64.3	63.1	131	---	---	21
22	---	---	67.1	61.3	177	237	169	65.6	69.3	124	---	---	22
23	---	---	64.6	68.3	168	211	166	66.4	66.0	114	---	---	23
24	---	---	61.1	61.9	176	170	165	64.8	67.4	102	---	---	24
25	---	---	46.7	64.6	180	133	165	67.0	103	89.6	---	---	25
26	---	---	56.3	64.0	167	161	166	69.4	166	66.4	---	---	26
27	---	---	60.0	66.6	223	174	161	62.3	160	67.6	---	---	27
28	---	---	64.7	64.6	266	160	163	62.6	164	66.0	---	---	28
29	---		60.0	37.3	262	216	164	60.4	144	66.6	---	---	29
30	---		53.6	36.6	266	227	146	66.6	131	66.7	---	---	30
31	---		62.6		473		127	67.7		67.6		---	31
TOTAL	---	---	---	1 704.1	3 964.6	9 336	4 676.7	2 276.7	2 762.6	3 722.6	---	---	TOTAL
MEAN	---	---	---	66.6	126	311	161	73.4	63.1	120	---	---	MEAN
MAX	---	---	---	72.4	473	466	210	106	160	146	---	---	MAX
MIN	---	---	---	36.6	36.3	133	66.6	64.3	66.0	66.6	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 133
MAXIMUM DAILY, 466 ON JUN 2
MINIMUM DAILY, 36.3 ON MAY 3
MAXIMUM INSTANTANEOUS,
606 AT 15:21 MST ON MAY 31

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 49 50 N
LONG 113 26 00 W
DRAINAGE AREA, 15 700 km²
A - MANUAL GAUGE

REGULATED SINCE 1906

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	404 000
FEB	---	AUG	187 000
MAR	---	SEP	241 000
APR	147 000	OCT	332 000
MAY	344 000	NOV	---
JUN	807 000	DEC	---

TOTAL DISCHARGE, 2 480 000 dam³

BOW RIVER BELOW GHOST DAM - STATION NO. 05BE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	42.8	405	234	130 E	87.8	89.2	85.1	---	1
2	---	---	---	---	85.3	422	224	119 E	86.0	89.5	85.4	---	2
3	---	---	---	---	80.4	424	215	117 E	85.4	89.4	70.8	---	3
4	---	---	---	---	56.1	413	206	118 E	86.7	89.1	84.0	---	4
5	---	---	---	---	57.1	388	194	124 E	85.2	89.5	54.4	---	5
6	---	---	---	---	57.2	336	189	118 E	85.4	89.2	54.8A	---	6
7	---	---	---	---	53.6	340	143	123 E	86.1	71.8	---	---	7
8	---	---	---	---	59.1	345	123	126 E	87.2	72.0	---	---	8
9	---	---	---	---	58.7	355	125	116 E	85.4	89.8	---	---	9
10	---	---	---	---	59.2	348	126	111 E	86.8	68.1	---	---	10
11	---	---	---	---	60.0	328	127	104 A	78.4	68.1	---	---	11
12	---	---	---	---	59.1	326	129	114	71.4	88.0	---	---	12
13	---	---	---	---	63.9	319	134	115	89.5	89.2	---	---	13
14	---	---	---	---	67.5	295	132	112	88.5	85.9	---	---	14
15	---	---	---	---	75.6	281	133	118	84.0	75.4	---	---	15
16	---	---	---	---	72.8	293	129	116	82.4	85.9	---	---	16
17	---	---	---	---	77.2	288	156A	115	57.7	85.9	---	---	17
18	---	---	---	---	64.6	263	168E	104	56.8	85.1	---	---	18
19	---	---	---	---	76.9	261	190E	90.9	53.3	84.3	---	---	19
20	---	---	---	---	75.4	280	165E	93.2	52.5	84.9	---	---	20
21	---	---	---	---	78.5	283	173E	90.5	52.1	83.1	---	---	21
22	---	---	---	---	100	257	185E	87.0	53.4	71.8	---	---	22
23	---	---	---	48.0A	103	234	179E	88.3	54.5	81.1	---	---	23
24	---	---	---	45.8	102	183	190E	90.1	53.1	53.4	---	---	24
25	---	---	---	40.7	79.2	198	192E	92.5	59.1	53.9	---	---	25
26	---	---	---	43.3	102	225	180E	90.3	79.5	54.0	---	---	26
27	---	---	---	41.3	103	229	177E	89.5	85.5	53.5	---	---	27
28	---	---	---	42.1	104	221	175E	86.7	84.1	53.0	---	---	28
29	---		---	42.9	153	215	169E	94.0	79.2	53.0	---	---	29
30	---		---	41.5	310	220	182E	91.2	88.9	51.5	---	---	30
31	---		---		379		132E	84.3		75.8		---	31
TOTAL	---	---	---	---	2 876.8	8 973	5 125	3 270.5	2 187.0	2 149.0	---	---	TOTAL
MEAN	---	---	---	---	92.8	299	165	106	72.9	69.3	---	---	MEAN
MAX	---	---	---	---	379	424	234	130	97.2	89.5	---	---	MAX
MIN	---	---	---	---	42.9	183	123	84.3	52.1	53.0	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 134
MAXIMUM DAILY, 424 ON JUN 3
MINIMUM DAILY, 42.9 ON MAY 1
MAXIMUM INSTANTANEOUS,
426 AT 17 50 MST ON JUN 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 12 50 N
LONG 114 35 40 W
DRAINAGE AREA, 6 550 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1911

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	443 000
FEB	---	AUG	283 000
MAR	---	SEP	189 000
APR	---	OCT	186 000
MAY	249 000	NOV	---
JUN	775 000	DEC	---

TOTAL DISCHARGE, 2 130 000 dam³

BOW RIVER DEVELOPMENT DRAIN D NEAR VAUXHALL - STATION NO. 05BN005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	0.858	1.39	1.39	1.86	0.570	0	---	1
2	---	---	---	---	0	1.05	1.50	1.23	1.56	1.09	0	---	2
3	---	---	---	---	0	0.855	1.37	1.35	1.21	1.13	0.001A	---	3
4	---	---	---	---	0	0.812	1.30	1.44	1.13	1.11	---	---	4
5	---	---	---	---	0	0.721	1.42	1.38	0.947	1.03	---	---	5
6	---	---	---	---	0.020	1.06	1.59	1.51	0.781	0.924	---	---	6
7	---	---	---	---	0.042	1.45	1.47	1.13	0.635	0.884	---	---	7
8	---	---	---	---	0.037	1.39	1.47	1.13	0.625	0.858	---	---	8
9	---	---	---	---	0.021	1.50	1.22	1.39	0.619	0.815	---	---	9
10	---	---	---	---	0.148	1.15	1.34	1.53	0.485	0.740	---	---	10
11	---	---	---	---	0.077	1.08	1.52	1.56	0.478	0.163	---	---	11
12	---	---	---	---	0.027	1.07	1.78	1.53	0.448	0.074	---	---	12
13	---	---	---	---	0.012	1.21	1.47	1.67	0.461	0.059	---	---	13
14	---	---	---	---	0.025	0.893	1.42	1.30	0.536	0.045	---	---	14
15	---	---	---	---	0.024	1.11	1.83	0.982	0.518	0.040	---	---	15
16	---	---	---	---	0.030	0.965	1.29	0.955	0.400	0.033	---	---	16
17	---	---	---	---	0.020	0.736	1.88	1.09	0.361	0.033	---	---	17
18	---	---	---	---	0.068	0.821	1.86	1.04	0.367	0.023	---	---	18
19	---	---	---	---	0.081	0.886	1.46	1.13	0.448	0.023	---	---	19
20	---	---	---	---	0.188	1.05	1.45	1.16	0.458	0.020	---	---	20
21	---	---	---	0A	0.222	0.972	1.06	1.21	0.489	0.004	---	---	21
22	---	---	---	0	0.230	1.24	0.828	1.11	0.372	0	---	---	22
23	---	---	---	0	0.302	1.05	1.40	0.989	0.368	0	---	---	23
24	---	---	---	0	0.291	1.25	1.76	1.06	0.367	0	---	---	24
25	---	---	---	0	0.284	1.38	1.44	1.19	2.48	0	---	---	25
26	---	---	---	0	0.309	0.788	1.76	1.12	2.11	0	---	---	26
27	---	---	---	0	0.335	0.644	2.03	1.16	0.930	0	---	---	27
28	---	---	---	0	0.433	1.08	1.76	1.09	0.548	0	---	---	28
29	---		---	0	0.403	1.58	1.21	1.18	0.478	0	---	---	29
30	---		---	0	0.523	1.87	1.30	1.39	0.513	0	---	---	30
31	---		---		0.595		1.37	1.90		0		---	31
TOTAL	---	---	---	---	4.725	32.001	45.488	38.348	22.944	9.852	---	---	TOTAL
MEAN	---	---	---	---	0.152	1.07	1.47	1.27	0.765	0.312	---	---	MEAN
MAX	---	---	---	---	0.595	1.87	2.03	1.90	2.48	1.13	---	---	MAX
MIN	---	---	---	---	0	0.612	0.828	0.955	0.359	0	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.838
MAXIMUM DAILY, 2.48 ON SEP 25
MINIMUM DAILY, 0 ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 40 N
LONG 112 02 50 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	3 930
FEB	---	AUG	3 400
MAR	---	SEP	1 880
APR	---	OCT	834
MAY	408	NOV	---
JUN	2 750	DEC	---

TOTAL DISCHARGE, 13 300 dam³

BOW RIVER DEVELOPMENT DRAIN K NEAR VAUXHALL - STATION NO. 05BN009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.039	0.028	0.304	0.283	0.285	0.806	0.161	---	1
2	---	---	---	---	0.040	0.030	0.308	0.232	0.278	0.910	0.135	---	2
3	---	---	---	---	0.044	0.035	0.303	0.205	0.379	0.894	0.138A	---	3
4	---	---	---	---	0.083	0.040	0.335	0.228	0.373	0.898	---	---	4
5	---	---	---	---	0.077	0.080	0.384	0.241	0.473	0.684	---	---	5
6	---	---	---	---	0.080	0.082	0.406	0.233	0.440	0.592	---	---	6
7	---	---	---	---	0.043	0.073	0.371	0.193	0.398	0.589	---	---	7
8	---	---	---	---	0.051	0.280	0.414	0.183	0.394	0.563	---	---	8
9	---	---	---	---	0.054	0.412	0.424	0.313	0.454	0.514	---	---	9
10	---	---	---	---	0.045	0.382	0.495	0.252	0.472	0.729	---	---	10
11	---	---	---	---	0.049	0.393	0.479	0.184	0.506	0.621	---	---	11
12	---	---	---	---	0.047	0.448	0.495	0.177	0.534	0.534	---	---	12
13	---	---	---	---	0.040	0.270	0.537	0.183	0.437	0.574	---	---	13
14	---	---	---	---	0.115	0.205	0.513	0.148	0.450	0.518	---	---	14
15	---	---	---	---	0.089	0.195	0.517	0.142	0.469	0.428	---	---	15
16	---	---	---	---	0.050	0.185	0.498	0.141	0.483	0.389	---	---	16
17	---	---	---	---	0.056	0.159	0.427	0.137	0.534	0.321	---	---	17
18	---	---	---	---	0.048	0.157	0.344	0.157	0.546	0.293	---	---	18
19	---	---	---	---	0.042	0.150	0.376	0.211	0.533	0.262	---	---	19
20	---	---	---	---	0.045	0.155	0.352	0.328	0.593	0.242	---	---	20
21	---	---	---	0.051A	0.065	0.139	0.338	0.285	0.578	0.230	---	---	21
22	---	---	---	0.050	0.065	0.149	0.288	0.377	0.532	0.210	---	---	22
23	---	---	---	0.051	0.066	0.170	0.270	0.405	0.483	0.188	---	---	23
24	---	---	---	0.048	0.042	0.184	0.285	0.483	0.444	0.176	---	---	24
25	---	---	---	0.042	0.037	0.252	0.287	0.481	1.15	0.187	---	---	25
26	---	---	---	0.041	0.032	0.293	0.310	0.343	3.36	0.158	---	---	26
27	---	---	---	0.048	0.034	0.262	0.307	0.250	4.84	0.150	---	---	27
28	---	---	---	0.041	0.032	0.222	0.318	0.232	2.78	0.146	---	---	28
29	---		---	0.038	0.032	0.215	0.305	0.242	1.41	0.143	---	---	29
30	---		---	0.035	0.031	0.272	0.362	0.257	0.956	0.144	---	---	30
31	---		---		0.028		0.354	0.293		0.1138		---	31
TOTAL	---	---	---	---	1.509	5.816	11.668	7.829	25.574	12.744	---	---	TOTAL
MEAN	---	---	---	---	0.049	0.197	0.376	0.253	0.852	0.411	---	---	MEAN
MAX	---	---	---	---	0.115	0.448	0.537	0.483	4.84	0.910	---	---	MAX
MIN	---	---	---	---	0.028	0.028	0.285	0.137	0.285	0.113	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.355
MAXIMUM DAILY, 4.84 ON SEP 27
MINIMUM DAILY, 0.028 ON MAY 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 17 25 N
LONG 112 10 52 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 010
FEB	---	AUG	676
MAR	---	SEP	2 210
APR	---	OCT	1 100
MAY	130	NOV	---
JUN	511	DEC	---

TOTAL DISCHARGE, 5 640 dam³

BOW RIVER DEVELOPMENT DRAIN T NEAR HAYS - STATION NO. 05AG005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.015	0.070	0.474	0.578	0.387	0.781	0.034	---	1
2	---	---	---	---	0.018	0.041	0.347	0.463	0.377	0.898	0.036	---	2
3	---	---	---	---	0.016	0.031	0.447	0.615	0.287	0.933	0.038	---	3
4	---	---	---	---	0.022	0.039	0.671	0.814	0.201	0.851	0.031	---	4
5	---	---	---	---	0.022	0.148	0.703	0.587	0.400	0.870	0.032A	---	5
6	---	---	---	---	0.015	0.150	0.834	0.413	0.346	0.881	---	---	6
7	---	---	---	---	0.018	0.243	0.878	0.378	0.275	0.751	---	---	7
8	---	---	---	---	0.015	0.288	0.876	0.275	0.395	0.370	---	---	8
9	---	---	---	---	0.017	0.494	0.854	0.301	0.436	0.152	---	---	9
10	---	---	---	---	0.018	0.530	0.846	0.241	0.489	0.125	---	---	10
11	---	---	---	---	0.014	0.601	0.780	0.477	0.384	0.178	---	---	11
12	---	---	---	---	0.012	0.634	0.778	0.593	0.462	0.095	---	---	12
13	---	---	---	---	0.032	0.507	0.637	0.515	0.421	0.055	---	---	13
14	---	---	---	---	0.017	0.384	0.749	0.544	0.481	0.118	---	---	14
15	---	---	---	---	0.017	0.304	0.655	0.553	0.482	0.082	---	---	15
16	---	---	---	---	0.010	0.300	0.543	0.488	0.415	0.088	---	---	16
17	---	---	---	---	0.011	0.269	0.627	0.480	0.435	0.083	---	---	17
18	---	---	---	---	0.010	0.295	0.627	0.508	0.400	0.064	---	---	18
19	---	---	---	---	0.009	0.146	0.619	0.382	0.400	0.073	---	---	19
20	---	---	---	---	0.008	0.222	0.705	0.327	0.408	0.081	---	---	20
21	---	---	---	---	0.009	0.284	0.938	0.423	0.418	0.073	---	---	21
22	---	---	---	---	0.013	0.361	0.820	0.426	0.368	0.088	---	---	22
23	---	---	---	0.017A	0.031	0.507	0.857	0.315	0.300	0.079	---	---	23
24	---	---	---	0.023	0.008	0.524	1.03	0.235	0.308	0.033	---	---	24
25	---	---	---	0.022	0.007	0.583	1.20	0.256	0.999	0.072	---	---	25
26	---	---	---	0.018	0.005	0.578	1.03	0.201	1.61	0.063	---	---	26
27	---	---	---	0.018	0.006	0.583	0.793	0.197	1.35	0.052	---	---	27
28	---	---	---	0.017	0.051	0.649	0.817	0.362	0.802	0.034	---	---	28
29	---		---	0.017	0.183	0.692	0.809	0.214	0.659	0.044	---	---	29
30	---		---	0.018	0.087	0.780	0.529	0.269	0.611	0.038	---	---	30
31	---		---		0.100		0.633	0.393		0.034		---	31
TOTAL	---	---	---	---	0.812	11.220	23.015	12.869	15.277	8.119	---	---	TOTAL
MEAN	---	---	---	---	0.026	0.374	0.742	0.415	0.509	0.262	---	---	MEAN
MAX	---	---	---	---	0.183	0.780	1.20	0.814	1.61	0.933	---	---	MAX
MIN	---	---	---	---	0.005	0.031	0.347	0.197	0.201	0.033	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.388
MAXIMUM DAILY, 1.61 ON SEP 26
MINIMUM DAILY, 0.005 ON MAY 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 00 N
LONG 111 43 40 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 990
FEB	---	AUG	1 110
MAR	---	SEP	1 320
APR	---	OCT	701
MAY	70.2	NOV	---
JUN	868	DEC	---

TOTAL DISCHARGE, 6 160 dam³

BOW RIVER DEVELOPMENT MAIN CANAL - STATION NO. 05AC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	25.3	34.7	33.5	32.9	29.5	0.653	OE	---	1
2	---	---	---	0	26.9	34.0	34.0	32.6	30.0	0.532	OE	---	2
3	---	---	---	0	26.2	35.4	33.6	32.0	30.0	0.499	OE	---	3
4	---	---	---	0	23.8	36.0	32.9	31.2	30.0	0.438	OE	---	4
5	---	---	---	0	24.1	35.7	34.3	31.6	30.0	0.382	OE	---	5
6	---	---	---	0	27.0	35.6	34.5	31.4	30.2	0.334	OE	---	6
7	---	---	---	0	27.8	35.3	33.3	31.6	30.3	0.252	OE	---	7
8	---	---	---	0	29.8	35.0	33.4	31.2	29.9	0.060	OE	---	8
9	---	---	---	0	30.3	34.8	33.1	31.4	27.8	0	OE	---	9
10	---	---	---	0	30.4	34.7	32.6	31.2	22.8	0	OE	---	10
11	---	---	---	0	30.6	34.6	34.1	30.7	16.0	0	OE	---	11
12	---	---	---	0	30.8	34.1	34.8	30.8	9.94	0	OE	---	12
13	---	---	---	0	30.9	33.4	35.1	30.7	8.22	0	OE	---	13
14	---	---	---	0	33.8	34.4	35.0	30.4	8.20	0	OE	---	14
15	---	---	---	0	34.7	34.7	33.8	30.4	8.13	0	OE	---	15
16	---	---	---	0	32.6	34.5	33.6	30.5	8.90	0	OE	---	16
17	---	---	---	0	31.5	34.6	33.8	30.5	8.75	0	OE	---	17
18	---	---	---	0	31.3	35.7	34.0	30.2	8.80	0	OE	---	18
19	---	---	---	0	31.3	35.6	34.2	30.0	8.98	0	OE	---	19
20	---	---	---	0	31.5	35.4	33.9	29.7	8.96	0	OE	---	20
21	---	---	---	0	32.4	35.6	32.9	29.4	8.97	0	OE	---	21
22	---	---	---	0	30.1	36.0	33.0	29.4	8.96	0	OE	---	22
23	---	---	---	0	27.0	35.7	36.5	29.6	8.88	0	OE	---	23
24	---	---	OA	0	26.7	34.8	34.6	29.6	8.90	0	OE	---	24
25	---	---	0	4.34	26.4	34.1	33.6	29.6	7.83	0	OE	---	25
26	---	---	0	9.58	25.9	34.3	33.7	29.6	7.60	0	OE	---	26
27	---	---	0	9.69	26.4	34.8	33.9	29.7	3.13	0	OE	---	27
28	---	---	0	9.87	27.5	35.5	33.4	29.7	1.33	0	OE	---	28
29	---		0	16.8	28.1	36.1	33.4	29.6	0.987	0 A	OE	---	29
30	---		0	18.5	29.2	32.9	33.3	29.7	0.697	0 E	OE	---	30
31	---		0		33.7		32.8	30.0		0 E		---	31
TOTAL	---	---	---	69.16	904.0	1 048.0	1 048.7	946.9	425.044	3.150	0	---	TOTAL
MEAN	---	---	---	2.31	29.2	34.9	33.8	30.5	14.2	0.102	0	---	MEAN
MAX	---	---	---	18.5	34.7	36.1	36.5	32.9	30.3	0.653	0	---	MAX
MIN	---	---	---	0	23.8	32.9	32.6	29.4	0.697	0	0	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.2
MAXIMUM DAILY, 36.5 ON JUL 23
MINIMUM DAILY, 0 ON APR 1

SUMMARY FOR THE MONTHS APR TO NOV

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 44 46 N
LONG 113 01 17 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1918

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	90 600
FEB	---	AUG	81 800
MAR	---	SEP	36 700
APR	5 980	OCT	272
MAY	78 100	NOV	0
JUN	90 500	DEC	---

TOTAL DISCHARGE 384 000 dam³

BOW RIVER DEVELOPMENT MAIN CANAL AT DROP NO. 3 - STATION NO 05AC902

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.73	18.1	38.6	21.3	13.6	5.34	---	---	1
2	---	---	---	---	8.47	22.5	37.2	20.3	12.7	5.34	---	---	2
3	---	---	---	---	8.32	25.7	36.8	20.2	11.9	5.35	---	---	3
4	---	---	---	---	8.63	29.6	37.2	20.2	11.7	5.35	---	---	4
5	---	---	---	---	4.68	33.3	37.3	19.9	11.1	5.36	---	---	5
6	---	---	---	---	3.12	35.6	37.3	18.1	10.8	5.08	---	---	6
7	---	---	---	---	2.90	36.5	36.7	16.9	10.6	1.25	---	---	7
8	---	---	---	---	2.86	36.5	41.0	16.6	9.95	0	---	---	8
9	---	---	---	---	2.82	34.8	41.8	17.0	8.75	0	---	---	9
10	---	---	---	---	2.80	32.1	43.2	17.0	7.81	0	---	---	10
11	---	---	---	---	2.75	30.9	44.5	16.5	6.96	0	---	---	11
12	---	---	---	---	2.57	31.9	43.9	15.8	6.60	0	---	---	12
13	---	---	---	---	3.81	33.6	42.9	15.3	6.61	0	---	---	13
14	---	---	---	---	5.33	33.6	43.2	14.7	6.61	0	---	---	14
15	---	---	---	---	4.49	33.3	42.6	14.3	6.43	0	---	---	15
16	---	---	---	---	3.59	35.2	41.8	13.8	6.11	0	---	---	16
17	---	---	---	---	4.78	36.7	41.2	13.9	5.44	0	---	---	17
18	---	---	---	---	4.97	38.1	39.4	14.0	4.98	0	---	---	18
19	---	---	---	---	4.80	39.6	38.9	13.9	5.00	0	---	---	19
20	---	---	---	---	4.63	41.2	38.9	13.7	5.01	0	---	---	20
21	---	---	---	---	4.93	41.2	37.9	14.0	4.93	0	---	---	21
22	---	---	---	---	4.93	41.2	35.8	13.7	4.88	0	---	---	22
23	---	---	---	---	4.81	42.5	34.1	13.5	4.90	0	---	---	23
24	---	---	---	---	4.85	43.6	33.1	13.7	4.87	0	---	---	24
25	---	---	---	---	4.77	43.5	31.1	13.7	5.44	0	---	---	25
26	---	---	---	---	5.94	43.5	29.7	13.7	5.49	0	---	---	26
27	---	---	---	---	8.38	43.7	29.6	13.4	5.36	0	---	---	27
28	---	---	---	---	9.38	43.8	28.5	13.4	5.37	0	---	---	28
29	---		---	---	12.1	45.2	26.8	13.6	5.33	0	---	---	29
30	---		---	---	14.3	42.2	25.4	13.5	5.34	0	---	---	30
31	---		---		14.7		23.7	13.6		0		---	31
TOTAL	---	---	---	---	177.45	1 089.3	1 142.3	483.3	220.58	33.07	---	---	TOTAL
MEAN	---	---	---	---	5.72	36.3	36.8	15.6	7.35	1.07	---	---	MEAN
MAX	---	---	---	---	14.7	45.2	44.5	21.3	13.6	5.36	---	---	MAX
MIN	---	---	---	---	1.73	18.1	23.7	13.4	4.87	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 17.1
MAXIMUM DAILY, 45.2 ON JUN 29
MINIMUM DAILY, 0 ON OCT 8

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 09 25 N
LONG 112 32 00 W

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	98 700
FEB	---	AUG	41 800
MAR	---	SEP	19 100
APR	---	OCT	2 850
MAY	15 300	NOV	---
JUN	94 100	DEC	---

TOTAL DISCHARGE, 272 000 dam³

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL A NEAR HEADGATE - STATION NO. 05AC013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	0.251	1.25	0.528	0.064	0.047	---	---	1
2	---	---	---	---	0	0.328	1.17	0.500	0.152	0.008	---	---	2
3	---	---	---	---	0.100E	0.430	1.17	0.477	0.248	0.009	---	---	3
4	---	---	---	---	0.100E	0.595	1.17	0.317	0.268	0.008	---	---	4
5	---	---	---	---	0.100E	0.679	1.17	0.220	0.322	0.008	---	---	5
6	---	---	---	---	0.100E	0.888	1.17	0.202	0.313	0.007	---	---	6
7	---	---	---	---	0.100E	0.947	1.17	0.198	0.324	0	---	---	7
8	---	---	---	---	0.100E	0.840	1.17	0.157	0.322	0	---	---	8
9	---	---	---	---	0.100E	0.759	1.17	0.146	0.280	0	---	---	9
10	---	---	---	---	0.100E	0.712	1.17	0.141	0.240	0	---	---	10
11	---	---	---	---	0.100E	0.798	1.17	0.136	0.240	0	---	---	11
12	---	---	---	---	0.100E	0.861	1.14	0.089	0.239	0	---	---	12
13	---	---	---	---	0.050E	0.882	1.15	0.067	0.241	0	---	---	13
14	---	---	---	---	0.050E	0.915	1.15	0.142	0.237	0	---	---	14
15	---	---	---	---	0.050E	0.950	1.15	0.168	0.234	0	---	---	15
16	---	---	---	---	0.050E	1.10	1.19	0.154	0.214	0	---	---	16
17	---	---	---	---	0.050E	1.22	1.24	0.145	0.203	0	---	---	17
18	---	---	---	---	0.050E	1.27	1.15	0.187	0.189	0	---	---	18
19	---	---	---	---	0.050E	1.32	1.13	0.251	0.189	0	---	---	19
20	---	---	---	---	0.050E	1.27	1.18	0.235	0.170	0	---	---	20
21	---	---	---	---	0.050E	1.32	1.13	0.242	0.171	0	---	---	21
22	---	---	---	---	0.050E	1.32	1.09	0.220	0.171	0	---	---	22
23	---	---	---	---	0.050E	1.33	1.05	0.193	0.157	0	---	---	23
24	---	---	---	---	0.050E	1.37	1.04	0.132	0.140	0	---	---	24
25	---	---	---	---	0.050E	1.38	0.966	0.202	0.058	0	---	---	25
26	---	---	---	---	0.050E	1.39	0.778	0.243	0.008	0	---	---	26
27	---	---	---	---	0.050E	1.40	0.859	0.144	0.008	0	---	---	27
28	---	---	---	---	0.100E	1.36	0.851	0.069	0.049	0	---	---	28
29	---		---	---	0.100E	1.34	0.643	0.067	0.071	0	---	---	29
30	---		---	---	0.250E	1.31	0.632	0.068	0.071	0	---	---	30
31	---		---		0.250E		0.593	0.065		0		---	31
TOTAL	---	---	---	---	2.450	30.544	32.672	5.104	5.574	0.088	---	---	TOTAL
MEAN	---	---	---	---	0.079	1.02	1.05	0.197	0.188	0.003	---	---	MEAN
MAX	---	---	---	---	0.250	1.40	1.25	0.528	0.324	0.047	---	---	MAX
MIN	---	---	---	---	0	0.251	0.593	0.065	0.008	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.421
MAXIMUM DAILY, 1.40 ON JUN 27
MINIMUM DAILY, 0 ON MAY 1

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 30 N
LONG 112 35 00 W

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 820
FEB	---	AUG	527
MAR	---	SEP	482
APR	---	OCT	7.80
MAY	212	NOV	---
JUN	2 640	DEC	---

TOTAL DISCHARGE, 6 690 dam³

BOW RIVER NEAR SEEBE - STATION NO. 05BE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	46.0	47.3	40.5	63.0	54.5	403	239	118	102	56.2	52.7	70.7	1
2	43.6	41.7	40.9	59.9	49.6	409	216	117	97.0	48.2	50.8	78.5	2
3	57.8	50.9	52.6	57.1	47.0	409	219	114	95.0	52.8	58.3	56.7	3
4	42.6	46.8	58.4	52.5	46.7	391	202	117	94.5	42.5	53.8	76.9	4
5	30.2	53.5	52.0	51.9	51.7	370	177	118	97.0	41.0	58.0	74.5	5
6	46.8	59.4	63.9	40.3	57.0	348	154	118	88.3	51.1	56.0	84.2	6
7	55.2	60.3	63.7	51.1	51.5	340	141	109	76.7	47.4	59.4	58.1	7
8	59.1	41.6	44.3	58.4	53.4	346	137	108	88.4	54.2	53.3	63.9	8
9	58.8	36.9	33.5	54.5	54.5	353	124	107	87.5	56.6	43.9	66.6	9
10	54.1	47.6	53.1	57.4	54.9	344	128	105	76.0	57.2	46.3	66.6	10
11	49.0	49.0	60.2	63.5	51.2	332	126	104	82.8	42.8	57.2	62.3	11
12	42.1	57.3	49.0	43.3	56.7	336	122	107	86.4	47.1	53.2	69.4	12
13	44.5	54.1	60.0	33.6	63.1	318	118	111	88.1	43.3	44.1	73.1	13
14	53.0	50.3	62.7	49.8	60.8	289	120	108	81.0	51.9	55.1	63.5	14
15	54.0	39.8	44.1	49.6	49.6	288	116	104	81.8	51.6	59.7	69.0	15
16	46.3	31.3	34.8	45.2	48.5	301	116	108	89.3	49.7	59.8	77.7	16
17	53.8	47.1	55.0	43.8	46.2	282	147	100	88.1	48.3	68.3	81.5	17
18	40.2	49.6	53.2	53.5	45.0	282	150	94.6	82.0	33.5	63.8	82.5	18
19	42.8	50.8	50.7	36.6	45.7	276	154	94.7	49.8	38.8	67.8	78.5	19
20	47.3	59.3	56.8	35.2	54.5	287	154	92.3	50.2	45.8	69.6	71.0	20
21	44.5	59.7	61.5	35.5	57.8	278	150	88.3	44.5	45.8	68.8	67.6	21
22	44.7	51.8	39.9	48.8	82.6	247	175	87.0	44.9	53.4	64.4	78.2	22
23	46.4	47.1	34.1	51.6	96.5	230	174	88.6	43.8	57.4	63.5	88.6	23
24	46.0	52.8	52.3	51.7	88.6	230	177	83.2	41.1	51.7	59.8	80.7	24
25	43.4	53.6	60.4	48.3	83.1	241	176	81.9	49.3	42.3	69.8	73.1	25
26	48.0	54.7	61.3	42.4	110	243	162	84.1	58.0	48.8	72.4	61.9	26
27	48.5	43.1	62.1	33.2	183	237	167	81.8	63.7	55.8	73.5	67.8	27
28	48.5	48.5	60.0	44.3	274	220	172	81.7	66.3	48.6	73.6	84.9	28
29	51.1		44.5	46.2	326	213	157	85.2	57.0	45.8	68.0	74.1	29
30	48.3		33.8	52.4	361	229	154	84.8	49.5	45.2	64.9	77.6	30
31	49.8		50.1		383		136	89.1		53.6		82.7	31
TOTAL	1 487.7	1 406.0	1 599.5	1 485.4	3 086.8	8 083	4 871	3 098.3	1 979.4	1 506.5	1 778.5	2 227.8	TOTAL
MEAN	48.0	50.2	51.6	48.9	99.9	302	157	99.9	66.0	48.6	59.3	71.9	MEAN
MAX	59.1	64.7	63.9	63.5	383	409	239	118	102	57.4	73.5	89.8	MAX
MIN	30.2	31.3	33.6	33.2	45.0	213	116	81.7	41.1	33.5	43.9	56.7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 92.0
MAXIMUM DAILY, 409 ON JUN 2
MINIMUM DAILY, 30.2 ON JAN 5

DATA CONTRIBUTED BY
TRANSALTA UTILITIES CORPORATION

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 07 10 N
LONG 115 02 00 W
DRAINAGE AREA, 5 170 km²

REGULATED SINCE 1911

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	128 000	JUL	421 000
FEB	121 000	AUG	288 000
MAR	138 000	SEP	171 000
APR	127 000	OCT	130 000
MAY	288 000	NOV	154 000
JUN	783 000	DEC	192 000

TOTAL DISCHARGE, 2 900 000 dam³

BOW RIVER NEAR THE MOUTH - STATION NO 05BN012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	72.5B	49.9B	87.0B	72.0	14.2	318	192	112	24.2	127	94.4	86.0B	1
2	72.0B	50.0B	80.0B	70.1	13.1	415	180	99.3	20.2	144	93.5	86.0B	2
3	71.0B	50.2B	135 B	65.6	8.31	386	162	93.9	19.0	166	111	83.0B	3
4	70.5B	50.0B	125 B	66.4	8.10	396	174	71.0	23.0	156	110	80.5B	4
5	70.0B	49.8B	110 B	68.6	7.46	391	160	86.0	30.1	144	112	79.5B	5
6	69.3B	49.5B	102 B	70.4	6.45	369	136	41.2	29.7	136	105	78.0B	6
7	68.5B	49.0B	97.0B	68.9	6.48	352	143	55.7	22.2	131	96.1	76.5B	7
8	67.8B	48.2B	94.0B	63.7	4.75	316	124	46.7	21.5	129	92.0B	76.0B	8
9	67.0B	47.5B	92.0B	57.2	3.46	330	107	61.7	21.9	131	35.0B	74.5B	9
10	66.0B	46.8B	90.0B	59.8	2.77	309	93.5	53.9	24.0	136	27.0B	74.0B	10
11	65.8B	46.0B	88.0B	66.5	6.17	317	81.7	66.9	24.7	137	24.0B	72.2B	11
12	65.6B	45.0B	84.0B	69.9	9.12	312	56.3	84.1	21.2	130	24.0B	72.0B	12
13	65.8B	44.8B	79.0B	71.0	5.84	286	50.8	50.5	28.3	126	24.8B	71.9B	13
14	65.8B	44.2B	71.0B	69.3	5.83	252	75.7	42.2	39.8	122	40.0B	71.9B	14
15	65.5B	44.0B	65.5B	62.8	8.28	244	89.7	41.8	40.3	120	64.0B	71.8B	15
16	65.4B	43.8B	62.0B	44.0	47.8	226	85.0	44.4	33.1	122	71.0B	71.0B	16
17	65.0B	43.5B	65.0B	33.1	46.4	207	74.5	37.7	29.7	120	74.0B	70.5B	17
18	65.0B	43.2B	68.0B	14.1	67.3	221	69.8	45.1	28.0	121	76.0B	69.8B	18
19	64.5B	43.0B	77.4	6.54	85.9	233	85.3	41.8	31.7	129	82.0B	69.5B	19
20	63.5B	42.5B	88.9	15.0	38.7	206	161	42.5	59.1	129	86.0B	69.8B	20
21	62.5B	42.2B	101	44.9	53.4	184	164	40.1	29.1	128	101 B	70.0B	21
22	61.0B	42.0B	114	60.2	107	188	129	31.0	31.0	127	104 B	70.2B	22
23	60.0B	42.0B	95.5	30.3	109	185	102	19.5	30.6	130	107 B	72.0B	23
24	58.5B	41.8B	86.4	30.0	135	210	126	19.0	27.6	127	108 B	74.0B	24
25	57.0B	42.4B	81.6	31.6	166	185	113	18.1	36.3	117	105 B	76.0B	25
26	55.0B	44.0B	68.5	24.4	151	129	118	17.0	50.4	112	103 B	76.5B	26
27	52.9B	48.0B	66.2	31.8	138	102	122	17.6	61.6	98.9	99.0B	77.8B	27
28	51.0B	55.0B	74.8	25.1	102	83.3	142	18.6	119	94.5	95.0B	77.9B	28
29	50.5B		76.3	11.6	184	133	125	14.1	159	82.2	92.0B	76.5B	29
30	50.0B		79.4	6.57	178	150	122	11.2	151	84.0	90.0B	75.7B	30
31	49.5B		78.5		226		128	19.9		87.0		76.0B	31
TOTAL	1 954.1	1 288.3	2 643.0	1 401.71	1 927.86	7 655.3	3 630.4	1 402.6	1 287.4	3 873.7	2 405 8	2 330 1	TOTAL
MEAN	63.0	46.0	85.3	46.7	62.2	255	117	45.2	42.2	125	80.2	75.2	MEAN
MAX	72.5	55.0	135	72.0	226	415	192	112	159	166	112	88.0	MAX
MIN	49.5	41.8	62.0	6.54	2.77	93.3	50.8	11.2	19.0	92.2	24.0	69.5	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 87.1
MAXIMUM DAILY, 415 ON JUN 2
MINIMUM DAILY, 2.77 ON MAY 10
MAXIMUM INSTANTANEOUS,
440 AT 06:20 MST ON JUN 2

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 02 47 N
LONG 111 35 28 W
DRAINAGE AREA, 25 300 km²

B - ICE CONDITIONS

REGULATED SINCE 1911

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	169 000	JUL	314 000
FEB	111 000	AUG	121 000
MAR	228 000	SEP	110 000
APR	121 000	OCT	335 000
MAY	167 000	NOV	208 000
JUN	661 000	DEC	201 000

TOTAL DISCHARGE, 2 750 000 dam³

BOXELDER CREEK AT HARGRAVE'S RANCH - STATION NO. 05AH050

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2.03 A	---	---	0.160E	0	0	0	5.30	0.112	---	1
2	---	---	---	0.095A	---	0.140E	0	0	0	4.57	0.120	---	2
3	---	---	0.544A	---	---	0.120E	0	0	0	3.94	0.129	---	3
4	---	---	---	---	---	0.100E	0	0	0	3.56	0.154	---	4
5	---	---	0.281A	---	---	0.084A	0	0	0	3.13	0.270	---	5
6	---	---	---	---	---	0.063	0	0	0	2.47	0.436	---	6
7	---	---	---	---	0 A	0.045	0	0	0	1.97	0.5188	---	7
8	---	---	---	---	---	0.038	0	0	0	1.59	1.04 B	---	8
9	---	---	---	---	---	0.026	0	0	0	1.35	0.978B	---	9
10	---	---	---	---	---	0.015	0	0	0	1.20	0.758B	---	10
11	---	---	0.496A	---	---	0.054	0	0	0	1.27	0.450B	---	11
12	---	---	---	---	---	0.237	0	0	0	1.12	0.200B	---	12
13	---	---	---	---	---	0.148	0	0	0	0.942	0.110B	---	13
14	0.558B	---	---	---	---	0.052	0	0	0	0.840	0.100B	---	14
15	---	---	---	---	---	0.020	0	0	0	0.747	0.100B	---	15
16	0.095A	---	---	---	---	0.026	0	0	0	0.595	0.100B	0.118B	16
17	---	---	---	---	---	0.025	0	0	0	0.790	0.100B	---	17
18	---	---	---	---	---	0.006	0	0	0	0.609	0.100B	---	18
19	---	---	---	---	---	0	0	0	0	0.507	0.100B	---	19
20	0.006B	---	---	---	---	0	0	0	0	0.450	0.100B	---	20
21	---	---	---	---	---	0	0	0	0	0.397	0.130B	---	21
22	---	---	---	0 A	2.05A	0	0	0	0	0.351	0.300B	---	22
23	---	---	---	---	---	0	0	0	0	0.326	1.24 B	---	23
24	---	---	---	---	---	0	0	0	0	0.290	1.32 B	---	24
25	---	0 B	---	---	---	0	0	0	0.251	0.255	1.08 B	---	25
26	---	2.49A	---	---	---	0	0	0	2.03	0.225	1.65 B	---	26
27	---	3.17A	---	---	---	0	0	0	6.40	0.209	1.90 B	---	27
28	0.010E	---	---	---	---	0	0	0	7.27	0.184	1.90 B	---	28
29	---		---	---	---	0	0	0	7.98	0.184	1.70 B	---	29
30	---		---	---	---	0	0	0	7.03	0.155	1.50 B	---	30
31	---		---		---		0	0		0.129		---	31
TOTAL	---	---	---	---	---	1.362	0	0	30.971	39.746	19.094	---	TOTAL
MEAN	---	---	---	---	---	0.045	0	0	1.03	1.28	0.636	---	MEAN
MAX	---	---	---	---	---	0.237	0	0	7.98	5.30	1.90	---	MAX
MIN	---	---	---	---	---	0	0	0	0	0.129	0.100	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 7.98 ON SEP 28
MINIMUM DAILY, 0B ON FEB 25
MAXIMUM INSTANTANEOUS,
8.10 AT 15:03 MST ON SEP 29

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT N
LONG W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	---	SEP	2 680
APR	---	OCT	3 430
MAY	---	NOV	1 650
JUN	118	DEC	---

BOYER RIVER NEAR FORT VERMILION - STATION NO. 07JF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0108	0.1388	11.5	7.04	10.2	1.46	0.042	0.005	---	---	1
2	---	---	0.0138	0.1268	11.1	7.23	9.85	1.58	0.053	0.005	---	---	2
3	---	---	0.0118	0.1168	10.2	12.0	8.51	1.56	0.044	0.005	---	---	3
4	---	---	0.0158	0.1168	10.6	8.77	8.14	1.74	0.037	0.005	---	---	4
5	---	---	0.0208	0.1368	10.8	8.24	8.02	1.44	0.031	0.005	---	---	5
6	---	---	0.0.58	0.1628	11.4	4.62	8.02	1.21	0.022	0.005	---	---	6
7	---	---	0.0278	0.2428	13.8	4.16	8.02	1.06	0.016	0.005	---	---	7
8	---	---	0.0288	0.5368	13.6	3.58	7.36	0.984	0.012	0.005	---	---	8
9	---	---	0.0378	1.08 B	14.4	3.15	6.83	0.800	0.010	0.005	---	---	9
10	---	---	0.0418	1.00 B	14.2	2.83	6.11	0.779	0.007	0.005	---	---	10
11	---	---	0.0488	0.9038	13.4	2.57	5.85	0.773	0.007	0.005	---	---	11
12	---	---	0.0558	0.8138	12.8	2.36	5.16	0.577	0.006	0.005	---	---	12
13	---	---	0.0608	0.7538	12.1	1.98	5.20	0.427	0.006	0.005	---	---	13
14	---	---	0.0888	0.8858	10.9	1.68	5.20	0.330	0.006	0.005	---	---	14
15	---	---	0.1088	1.05 B	10.3 A	1.42	5.13	0.238	0.006	0.005	---	---	15
16	---	---	0.1288	1.16 B	9.80E	1.38	4.88	0.191	0.009	0.005	---	---	16
17	---	---	0.1298	1.38 B	9.20E	1.34	4.37	0.137	0.007	0.005	---	---	17
18	---	---	0.1648	3.13 B	8.70E	1.13	3.97	0.089	0.009	0.005	---	---	18
19	---	---	0.1698	5.47 B	8.30E	1.03	3.84	0.061	0.006	0.005	---	---	19
20	---	0.0308	0.1298	7.93 B	8.00E	1.26	3.45	0.041	0.006	0.005	---	---	20
21	---	0.0258	0.1309	9.88 B	8.70E	1.37	3.21	0.035	0.005	0.005	---	---	21
22	---	0.0208	0.1308	12.3 B	11.0 E	2.16	3.25	0.028	0.007	0.005	---	---	22
23	---	0.0188	0.1328	12.4 B	10.2 E	5.98	3.32	0.027	0.005	0.004	---	---	23
24	---	0.0148	0.1348	12.0 B	9.20E	7.13	3.15	0.027	0.005	0.005	---	---	24
25	---	0.0108	0.1298	10.6 B	8.80E	7.53	2.84	0.132	0.006	0.004	---	---	25
26	---	0.0128	0.1388	9.54	8.10E	9.84	2.67	0.125	0.005	0.004	---	---	26
27	---	0.0148	0.1398	8.47	7.70A	7.85	2.18	0.118	0.006	0.003	---	---	27
28	---	0.0158	0.1288	8.98	7.59	8.08	2.00	0.098	0.006	0.238	---	---	28
29	---	---	0.1398	8.75	8.53	9.85	2.02	0.062	0.006	0.238A	---	---	29
30	---	---	0.1448	10.6	7.84	10.3	1.79	0.052	0.005	0.235E	---	---	30
31	---	---	0.1328		8.05		1.53	0.050		0.230E	---	---	31
TOTAL	---	---	2.787	132.683	318.83	145.49	157.11	16.148	0.402	1.196	---	---	TOTAL
MEAN	---	---	0.090	4.42	10.3	4.85	5.07	0.521	0.013	0.037	---	---	MEAN
MAX	---	---	0.159	12.4	14.4	12.0	10.2	1.74	0.053	0.238	---	---	MAX
MIN	---	---	0.010	0.116	7.59	1.02	1.53	0.027	0.005	0.004	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 3.17
MAXIMUM DAILY, 14.4 ON MAY 9
MINIMUM DAILY, 0.004 ON OCT 23
MAXIMUM INSTANTANEOUS,
14.58 AT 12:30 MST ON APR 22

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 26 42 N
LONG 116 15 10 W
DRAINAGE AREA, 6 660 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	13 800
FEB	---	AUG	1 000
MAR	281	SEP	38.7
APR	11 500	OCT	99.8
MAY	27 500	NOV	---
JUN	12 500	DEC	---

TOTAL DISCHARGE, 67 100 dam³

BOYER RIVER NEAR PADDLE PRAIRIE - STATION NO. 07JF004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.3650	0.190E	0.004	0.001	0	0	0	---	---	1
2	---	---	0 B	0.3628	0.230E	0.004	0.000	0	0	0	---	---	2
3	---	---	0 B	1.50 B	0.210E	0.005	0.000	0	0	0	---	---	3
4	---	---	0 B	1.51 B	0.150E	0.004	0.003	0	0	0	---	---	4
5	---	---	0 B	1.01 B	0.119A	0.003	0.003	0	0	0	---	---	5
6	---	---	0 B	0.6388	0.083	0.003	0.002	0	0	0	---	---	6
7	---	---	0 B	0.5288	0.088	0.003	0.002	0	0	0	---	---	7
8	---	---	0 B	0.8168	0.068	0.002	0.002	0	0	0	---	---	8
9	---	---	0 B	1.95 B	0.051	0.002	0.002	0	0	0	---	---	9
10	---	---	0 B	1.02 B	0.035	0.002	0.002	0	0	0	---	---	10
11	---	---	0 B	0.562A	0.048	0.001	0.002	0	0	0	---	---	11
12	---	---	0 B	0.606A	0.090	0.001	0.002	0	0	0	---	---	12
13	---	---	0 B	0.305E	0.058	0.001	0.002	0	0	0	---	---	13
14	---	---	0 B	0.178A	0.053	0.001	0.002	0	0	0	---	---	14
15	---	---	0 B	0.170	0.056	0.001	0.002	0	0	0	---	---	15
16	---	---	0 B	0.176	0.022	0.001	0.002	0	0	0	---	---	16
17	---	---	0 B	0.167	0.025	0.001	0.001	0	0	0	---	---	17
18	---	---	0 B	0.169	0.031	0.001	0	0	0	0	---	---	18
19	---	---	0 B	0.216	0.030	0.001	0	0	0	0	---	---	19
20	---	08	0 B	0.272	0.019	0.000	0	0	0	0	---	---	20
21	---	08	0 B	0.235	0.014	0.004	0	0	0	0	---	---	21
22	---	08	0 B	0.180A	0.017	0.002	0	0	0	0	---	---	22
23	---	08	0 B	0.155E	0.012	0.001	0	0	0	0	---	---	23
24	---	08	0 0108	0.139E	0.010	0.001	0	0	0	0	---	---	24
25	---	08	0.0128	0.128E	0.008	0.001	0	0	0	0	---	---	25
26	---	08	0.0128	0.160E	0.008	0.001	0	0	0	0	---	---	26
27	---	08	0.0088	0.200E	0.006	0	0	0	0	0	---	---	27
28	---	08	0.0068	0.175E	0.006	0	0	0	0	0	---	---	28
29	---	---	0.0088	0.165E	0.005	0	0	0	0	0	---	---	29
30	---	---	0.0558	0.155E	0.005	0.001	0	0	0	0	---	---	30
31	---	---	0.4808		0.004		0	0		0	---	---	31
TOTAL	---	---	0.591	14.244	1.752	0.081	0.045	0	0	0	---	---	TOTAL
MEAN	---	---	0.019	0.475	0.057	0.002	0.001	0	0	0	---	---	MEAN
MAX	---	---	0.480	1.95	0.230	0.009	0.009	0	0	0	---	---	MAX
MIN	---	---	0	0.128	0.004	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.088
MAXIMUM DAILY, 1.950 ON APR 9
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.900 AT 07:00 MST ON APR 9

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 54 30 N
LONG 117 35 45 W
DRAINAGE AREA, 94.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	3.89
FEB	---	AUG	0
MAR	51.1	SEP	0
APR	1 230	OCT	0
MAY	151	NOV	---
JUN	5.37	DEC	---

TOTAL DISCHARGE, 1 440 dam³

BRAZEAU RESERVOIR - STATION NO. 05DD005

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	950.88	956.88	954.62	952.28	948.08	954.06	959.21	962.63	964.17	965.61	965.87	965.39	1
2	960.46	956.83	954.68	952.13	948.08	954.66	959.62	962.56	964.33	965.67	966.03	965.30	2
3	960.30	956.77	954.60	952.01	947.98	955.12	959.80	962.62	964.30	965.72	966.06	965.24	3
4	960.12	956.68	954.54	951.88	948.18	955.63	959.72	962.65	964.39	965.78	966.06	965.15	4
5	960.05	956.52	954.42	951.68	948.36	955.84	959.96	962.77	964.48	965.86	966.03	965.06	5
6	959.85	956.37	954.30	951.40	948.48	955.86	960.21	962.80	964.54	965.94	966.00	965.00	6
7	959.75	956.25	954.21	951.18	948.73	956.10	960.38	962.83	964.57	966.00	965.94	965.02	7
8	959.65	956.19	954.24	951.07	948.88	956.31	960.61	962.82	964.60	965.97	965.88	964.97	8
9	959.57	956.10	954.26	950.88	949.18	956.48	960.85	962.88	964.63	965.97	965.85	964.84	9
10	959.48	955.97	954.08	950.70	949.38	956.58	961.00	963.05	964.66	965.97	965.79	964.76	10
11	959.38	955.88	954.02	950.64	949.38	956.63	961.22	963.20	964.78	965.84	965.82	964.72	11
12	959.30	955.76	953.90	950.60	949.54	957.07	961.34	963.32	964.84	965.94	965.70	964.72	12
13	959.21	955.70	953.76	950.15	949.45	957.26	961.43	963.23	964.90	965.94	965.72	964.67	13
14	959.11	955.61	953.62	949.88	949.45	957.28	961.55	963.29	964.12	965.91	965.67	964.61	14
15	958.98	955.54	953.60	949.54	949.48	957.47	961.74	963.41	965.18	965.88	965.58	964.38	15
16	958.81	955.47	953.60	949.27	949.39	957.71	961.95	963.47	965.24	965.85	965.55	964.30	16
17	958.72	955.58	953.38	949.08	949.38	957.77	962.56	963.56	965.36	965.88	965.61	964.30	17
18	958.57	955.40	953.28	948.93	949.38	957.68	962.99	963.50	965.48	965.91	965.56	964.08	18
19	958.38	955.24	953.17	948.78	949.39	958.14	962.83	963.56	965.55	965.00	965.50	963.96	19
20	958.17	955.15	953.02	948.65	949.45	958.35	962.60	963.53	965.61	966.03	965.55	963.96	20
21	958.14	955.06	952.87	948.57	949.51	958.61	962.25	963.69	965.70	966.03	965.61	963.93	21
22	957.93	955.06	952.83	948.54	949.54	958.32	962.07	963.72	965.70	966.03	965.54	963.84	22
23	957.80	955.12	952.93	948.48	949.60	958.22	962.13	963.78	965.73	966.03	965.61	963.78	23
24	957.68	955.03	952.80	948.42	949.60	958.23	962.13	963.81	965.76	966.00	965.61	963.76	24
25	957.58	954.84	952.76	948.20	949.70	958.32	962.01	963.84	965.79	966.00	965.58	963.72	25
26	957.58	954.76	952.58	948.14	949.91	958.41	961.95	963.87	965.73	966.00	965.61	963.72	26
27	957.47	954.76	952.47	948.02	950.55	958.38	961.89	963.90	965.61	966.00	965.48	963.69	27
28	957.35	954.63	952.47	947.87	951.46	958.41	961.80	963.90	965.55	965.97	965.45	963.69	28
29	957.25		952.41	947.78	952.29	958.50	961.98	963.93	965.45	965.97	965.42	963.56	29
30	957.16		952.38	947.93	952.90	958.89	962.25	964.02	965.51	965.94	965.42	963.47	30
31	957.13		952.41		953.51		962.47	964.11		965.91		963.44	31
MEAN	958.78	955.70	953.43	949.76	949.62	957.21	961.42	963.37	965.11	965.92	965.71	964.35	MEAN
MAX	960.58	956.88	954.69	952.28	953.51	958.87	962.99	964.11	965.79	966.03	966.09	965.39	MAX
MIN	957.13	954.63	952.38	947.78	947.98	954.06	959.21	962.53	964.17	965.61	965.42	963.44	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MEAN, 959.23
MAXIMUM DAILY, 966.00 ON NOV 4
MINIMUM DAILY, 947.78 ON APR 29

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 58 10 N
LONG 115 34 49 W
DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

DRAINAGE AREA
9 500 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BRAZEAU RIVER BELOW BRAZEAU PLANT - STATION NO. 05DD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	43.9	33.3	2.56	40.6	0.88	77.4	75.6	153	25.9	78.3	10.2	87.6	1
2	56.3	25.7	5.86	41.0	15.1	80.3	80.4	146	47.9	78.3	1.19	55.2	2
3	61.0	40.6	31.1	41.4	24.4	73.3	86.1	133	62.4	78.6	41.5	57.5	3
4	64.1	38.4	36.9	58.2	20.9	67.0	77.2	142	40.5	71.4	53.0	56.6	4
5	46.6	39.7	47.1	64.1	11.3	74.5	74.5	137	42.0	83.8	52.4	54.3	5
6	60.0	47.5	42.2	66.7	9.40	76.1	77.8	143	45.7	88.0	51.6	25.1	6
7	43.0	36.0	28.8	56.1	21.1	81.9	81.1	113	52.7	103	66.0	24.7	7
8	44.2	35.6	14.0	59.2	11.5	76.2	78.7	92.7	58.8	113	73.2	60.4	8
9	46.3	31.0	5.60	58.6	18.5	85.0	80.0	80.8	47.6	119	21.4	70.8	9
10	33.3	42.4	46.2	53.3	30.2	85.9	125	97.7	44.2	111	38.9	70.2	10
11	34.9	34.4	35.5	62.1	33.0	72.1	91.0	90.4	36.2	104	13.5	27.4	11
12	41.0	42.6	37.4	63.3	35.4	89.4	105	73.8	37.2	88.2	39.4	27.5	12
13	44.8	28.3	32.7	62.3	49.3	83.1	103	72.6	15.9	90.9	45.3	89.8	13
14	47.2	36.8	37.5	53.3	38.1	77.3	88.6	76.2	0.963	88.4	63.2	71.8	14
15	45.8	4.36	31.1	58.1	35.6	73.0	79.9	62.2	27.9	112	68.5	67.5	15
16	54.8	2.07	8.97	67.2	37.7	66.3	138	75.7	47.5	78.0	69.7	58.7	16
17	52.1	38.1	41.7	65.1	30.1	70.7	516	62.0	16.5	59.4	13.1	57.7	17
18	42.3	39.9	51.9	64.4	61.7	76.5	1 090	83.4	16.4	38.4	43.7	64.8	18
19	47.0	43.6	36.6	57.0	52.7	74.3	781	55.0	16.9	5.51	21.3	65.4	19
20	56.7	31.8	38.0	54.3	61.1	79.1	661	60.9	25.1	56.5	29.4	19.3	20
21	40.7	38.5	37.5	60.2	76.6	87.6	483	63.6	29.9	63.1	38.0	19.3	21
22	50.6	2.12	4.64	60.9	87.4	117	481	61.8	43.4	61.9	8.49	63.9	22
23	40.8	0.481	13.6	67.5	74.6	107	306	64.4	39.6	66.2	5.86	63.2	23
24	36.1	37.6	46.0	66.8	87.0	95.6	323	38.9	33.3	58.5	34.2	67.3	24
25	32.6	34.0	27.0	60.6	78.7	89.1	333	63.8	74.8	56.5	39.2	27.6	25
26	31.2	34.0	44.0	54.4	91.9	74.6	236	63.4	180	51.2	46.3	17.3	26
27	31.3	30.2	43.8	64.7	72.2	80.0	272	67.4	169	61.3	60.5	23.1	27
28	50.7	36.0	33.0	36.5	83.5	81.9	217	62.5	168	67.7	46.0	21.3	28
29	35.6		14.8	34.3	79.8	76.9	133	63.6	133	50.8	29.1	59.5	29
30	40.5		17.1	12.0	83.9	82.2	135	22.7	91.6	62.7	21.3	63.1	30
31	36.0		29.0		86.1		127	29.3		55.3		30.5	31
TOTAL	1 441.8	885.631	909.95	1 980.9	1 857.88	2 401.0	7 637.1	2 483.1	1 897.063	2 242.71	1 124.19	1 482.8	TOTAL
MEAN	46.5	30.9	29.3	62.0	59.3	80.0	243	78.1	56.6	73.0	37.5	47.8	MEAN
MAX	57.0	47.5	51.9	66.9	91.0	117	1 090	153	180	119	73.2	71.8	MAX
MIN	31.2	0.481	2.56	12.0	0.40	65.9	74.5	22.7	0.963	5.51	1.19	17.3	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 89.3
MAXIMUM DAILY, 1 090 ON JUL 18
MINIMUM DAILY, 0.481 ON FEB 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 54 49 N
LONG 115 31 50 W
DRAINAGE AREA, 5 980 km²

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED SINCE 1980

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	138 000	JUL	681 000
FEB	79 000	AUG	212 000
MAR	78 000	SEP	167 000
APR	165 000	OCT	193 000
MAY	159 000	NOV	97 100
JUN	207 000	DEC	128 000

TOTAL DISCHARGE, 2 100 000 dam³

BRAZEAU RIVER BELOW CARDINAL RIVER - STATION NO. 05DD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	9.02E	211	87.3	85.0	44.3	34.2	25.4	---	1
2	---	---	---	---	17.0 E	207	89.1	80.6	45.7	32.8	26.4	---	2
3	---	---	---	---	26.0 E	184	85.2	81.0	48.3	31.8	26.2	---	3
4	---	---	---	---	35.6 A	133	78.7	87.6	53.6	35.8	25.0	---	4
5	---	---	---	---	30.8	121	81.6	84.6	57.3	39.9	24.0B	---	5
6	---	---	---	---	38.2	122	76.8	81.5	51.0	48.2	---	---	6
7	---	---	---	---	38.7	124	85.6	78.7	46.0	49.0	---	---	7
8	---	---	---	---	37.2	117	85.8	73.8	43.1	50.8	---	---	8
9	---	---	---	---	35.8	103	86.8	71.5	40.5	46.8	---	---	9
10	---	---	---	---	36.2	95.0	118	88.6	40.8	44.2	---	---	10
11	---	---	---	---	32.8	115	87.6	67.1	49.6	41.8	---	---	11
12	---	---	---	---	31.9	110	88.3	70.4	46.6	39.8	---	---	12
13	---	---	---	---	31.7	88.7	83.2	71.9	42.5	38.4	---	---	13
14	---	---	---	---	31.2	85.1	78.7	80.6	40.1	37.3	---	---	14
15	---	---	---	---	30.6	112	76.6	86.6	38.2	36.1	---	---	15
16	---	---	---	---	30.6	102	134	81.9	36.2	35.2	---	---	16
17	---	---	---	---	33.8	88.1	240	87.1	37.7	34.6	---	---	17
18	---	---	---	---	38.7	99.3	272 A	53.0	36.3	33.7	---	---	18
19	---	---	---	---	44.9	136	218 A	53.8	38.7	33.9	---	---	19
20	---	---	---	---	57.0	97.6	217	52.1	33.8	33.4	---	---	20
21	---	---	---	---	65.2	78.1	217	48.8	32.4	31.8	---	---	21
22	---	---	---	---	52.8	69.6	186	47.1	31.6	31.0	---	---	22
23	---	---	---	---	52.3	71.7	184	46.2	31.0	30.2	---	---	23
24	---	---	---	---	56.9	90.1	172	46.6	30.8	28.6	---	---	24
25	---	---	---	---	66.5	98.4	144	48.1	34.2	28.7	---	---	25
26	---	---	---	---	132 A	85.4	128	45.9	42.1	28.4	---	---	26
27	---	---	---	---	188 E	75.5	117	45.0	34.9	28.6	---	---	27
28	---	---	---	---	183 A	71.8	104	44.2	35.2	28.2	---	---	28
29	---		---	0.02A	220	86.2	112	46.0	34.3	27.8	---	---	29
30	---		---	0.90E	217	114	101	48.1	34.9	27.0	---	---	30
31	---		---		212		91.4	47.6		28.4		---	31
TOTAL	---	---	---	---	2 131.62	3 262.7	3 967.4	1 928.4	1 216.0	1 097.8	---	---	TOTAL
MEAN	---	---	---	---	68.8	109	128	62.2	40.5	35.4	---	---	MEAN
MAX	---	---	---	---	220	211	272	87.6	57.3	50.8	---	---	MAX
MIN	---	---	---	---	9.02	69.6	76.5	44.2	30.8	26.4	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 73.9
MAXIMUM DAILY, 272A ON JUL 18
MINIMUM DAILY, 9.02E ON MAY 1
MAXIMUM INSTANTANEOUS,
318 AT 23:54 MST ON JUL 17

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 52 50 N
LONG 116 34 40 W
DRAINAGE AREA, 2 980 km²
A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	342 000
FEB	---	AUG	167 000
MAR	---	SEP	105 000
APR	---	OCT	94 000
MAY	184 000	NOV	---
JUN	282 000	DEC	---

TOTAL DISCHARGE, 1 170 000 dam³

BREWSTER CREEK NEAR BANFF - STATION NO. 05BB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.106B	10.1	4.20	3.08	1.04	0.932	---	---	1
2	---	---	---	---	0.107B	9.21	4.32	3.05	0.985	0.904	---	---	2
3	---	---	---	---	0.110B	8.53	4.66	2.95	0.887	0.583	---	---	3
4	---	---	---	---	0.110B	8.86	3.78	2.50	0.851	0.612	---	---	4
5	---	---	---	---	0.122B	8.21	3.03	2.87	0.855	0.880	---	---	5
6	---	---	---	---	0.125B	7.77	2.87	2.50	0.883	0.861	---	---	6
7	---	---	---	---	0.128B	8.08	2.84	2.31	0.841	1.02	---	---	7
8	---	---	---	---	0.130B	7.08	2.70	2.23	0.804	1.05	---	---	8
9	---	---	---	---	0.131B	5.18	2.82	2.08	0.774	1.08	---	---	9
10	---	---	---	---	0.138B	6.32	2.84	1.87	0.762	1.02	---	---	10
11	---	---	---	---	0.150B	7.28	3.02	1.84	0.743	0.937	---	---	11
12	---	---	---	---	0.154B	6.58	2.83	1.88	0.715	0.880	---	---	12
13	---	---	---	---	0.148B	5.86	2.71	1.77	0.883	0.885	---	---	13
14	---	---	---	---	0.144B	5.70	2.63	1.71	0.880	0.842	---	---	14
15	---	---	---	---	0.139B	6.65	2.77	1.63	0.848	0.818	---	---	15
16	---	---	---	---	0.120B	5.73	2.87	1.61	0.651	0.804	---	---	16
17	---	---	---	---	0.142B	5.25	3.84	1.36	0.667	0.808	---	---	17
18	---	---	---	---	0.260B	7.40	3.77	1.29	0.627	0.770	---	---	18
19	---	---	---	---	0.402A	5.13	4.76	1.26	0.802	0.755	---	---	19
20	---	---	---	---	0.980	5.24	5.40	1.16	0.586	0.740	---	---	20
21	---	---	---	---	1.67	4.80	5.15	1.08	0.674	0.728	---	---	21
22	---	---	---	---	1.35	3.84	4.76	1.05	0.650	0.707	---	---	22
23	---	---	---	---	1.16	3.86	4.85	1.03	0.631	0.685	---	---	23
24	---	---	---	---	1.24	5.20	4.22	1.00	0.532	0.674	---	---	24
25	---	---	---	---	2.24	5.70	3.78	0.984	0.522	0.662	---	---	25
26	---	---	---	---	5.82	5.05	3.42	0.929	0.661	0.651	---	---	26
27	---	---	---	---	11.6	4.32	3.88	0.904	0.610	0.772	---	---	27
28	---	---	---	---	16.1	3.98	4.14	0.882	0.578	0.734	---	---	28
29	---		---	---	13.5	4.38	4.16	0.901	0.578	0.888A	---	---	29
30	---		---	---	10.8	5.04	3.78	1.06	0.636	0.828E	---	---	30
31	---		---		10.8		3.27	1.11		0.584E		---	31
TOTAL	---	---	---	---	80.309	192.12	113.86	50.764	21.430	23.880	---	---	TOTAL
MEAN	---	---	---	---	2.59	6.40	3.67	1.64	0.714	0.770	---	---	MEAN
MAX	---	---	---	---	16.1	10.1	5.40	3.08	1.04	1.08	---	---	MAX
MIN	---	---	---	---	0.107	3.84	2.63	0.882	0.522	0.584	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.82
MAXIMUM DAILY, 16.1 ON MAY 28
MINIMUM DAILY, 0.107B ON MAY 2
MAXIMUM INSTANTANEOUS,
20.5 AT 21:56 MST ON MAY 28

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 05 55 N
LONG 115 39 55 W
DRAINAGE AREA, 109 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	9 820
FEB	---	AUG	4 390
MAR	---	SEP	1 850
APR	---	OCT	2 060
MAY	6 940	NOV	---
JUN	16 600	DEC	---

TOTAL DISCHARGE, 41 700 dam³

BRIDLEBIT CREEK NEAR VALLEYVIEW - STATION NO. 07GF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.0468	0.671	0.972	0.062	0.010	0	0.004	0.0088	0.0048	1
2	---	---	---	0.0478	0.646	0.804	0.065	0.008	0	0.005	0.0268	---	2
3	---	0.0018	0 0	0.0898	0.552	0.692	0	0.008	0.001	0.005	0.0278	---	3
4	---	---	---	0.1468	0.670	0.662	0.060	0.004	0.001	0.010	0.0148	---	4
5	---	---	---	0.1010	0.651	0.637	0.063	0.002	0.001	0.018	---	---	5
6	0.0028	---	---	0.2908	0.630	0.633	0.064	0.002	0	0.013	---	---	6
7	---	---	---	0.2628	0.629	0.630	0.063	0.002	0	0.017	---	---	7
8	---	---	---	0.6348	0.353	0.625	0	0.001	0	0.014	---	0.0038	8
9	---	---	---	0.7038	0.310	0.601	0.061	0.001	0	0.014	---	---	9
10	---	0.0028	0.0038	0.5398	0.277	0.600	0.061	0.002	0.001	0.015	0.0088	---	10
11	---	---	---	0.4428	0.258	0.018	0.062	0.001	0.002	0.014	---	---	11
12	---	---	---	0.3438	0.237	0.029	0	0	0.001	0.017	---	---	12
13	0.0038	---	---	0.2648	0.237	0.018	0.061	0.001	0.001	0.014	---	---	13
14	---	---	0.0018	0.1868	0.313	0.013	0.062	0.001	0.001	0.015	---	---	14
15	---	---	---	0.1688	0.601	0.013	0.060	0.001	0.001	0.015	---	0.0028	15
16	---	---	---	0.2718	0.272	0.018	0.062	0.001	0.001	0.014	---	---	16
17	---	0.0038	---	0.882	0.232	0.019	0.026	0.001	0.001	0.011	0.0068	---	17
18	---	---	0.0028	1.28	0.273	0.031	0.033	0.001	0.001	0.017	---	---	18
19	---	---	0.0018	1.37	0.308	0.054	0.035	0.001	0.001	0.012	---	---	19
20	0.0018	---	0.0038	0.995	0.239	0.188	0.032	0	0.001	0.011	---	---	20
21	---	---	0.0068	0.765	0.239	0.082	0.013	0	0.001	0.010	---	---	21
22	---	---	0.0138	0.570	0.470	0.018	0.008	0	0.001	0.012	---	0.0028	22
23	---	---	0.0108	0.436	0.513	0.016	0.032	0.001	0	0.005	---	---	23
24	---	0 0	0.0158	0.339	0.418	0.016	0.058	0	0	0.005	0.0068	---	24
25	---	---	0.0188	0.294	0.320	0.010	0.068	0	0	0.006	---	---	25
26	---	---	0.0178	0.256	0.256	0.008	0.040	0	0.001	0.007	---	---	26
27	0.0018	---	0.0178	0.226	0.218	0.007	0.032	0	0.005	0.006	---	---	27
28	---	---	0.0228	0.231	0.183	0.005	0.023	0	0.004	0.006	---	---	28
29	---		0.0348	0.344	0.168	0.003	0.018	0	0.003	0.006	---	0.0018	29
30	---		0.0488	0.486	0.137	0.003	0.018	0	0.005	0.006	---	---	30
31	---		0.0518		0.082		0.013	0		0.007		---	31
TOTAL	---	---	---	12.940	10.953	8.930	0.484	0.096	0.035	0.337	---	---	TOTAL
MEAN	---	---	---	0.431	0.340	0.031	0.018	0.001	0.001	0.011	---	---	MEAN
MAX	---	---	---	1.37	0.970	0.188	0.068	0.010	0.005	0.018	---	---	MAX
MIN	---	---	---	0.046	0.082	0.003	0	0	0	0.004	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.118
MAXIMUM DAILY, 1.37 ON APR 19
MINIMUM DAILY, 0 ON JUL 3
MAXIMUM INSTANTANEOUS,
1.94 AT 01:32 MST ON APR 19

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 50 10 N
LONG 117 44 03 W
DRAINAGE AREA, 19.7 km²

0 - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	61.8
FEB	---	AUG	3.97
MAR	---	SEP	3.02
APR	1 120	OCT	29.1
MAY	912	NOV	---
JUN	78.5	DEC	---

TOTAL DISCHARGE, 2 190 dam³

BROWN CREEK AT FORESTRY ROAD - STATION NO. 05DD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.407	2.90	---	---	---	---	---	---	1
2	---	---	---	---	0.278	3.07	---	---	---	---	---	---	2
3	---	---	---	---	0.600	3.21	---	---	---	---	---	---	3
4	---	---	---	---	1.90	1.97	---	---	---	---	---	---	4
5	---	---	---	---	3.30	1.81	---	---	---	---	1.48A	---	5
6	---	---	---	---	3.91	1.93	---	---	---	---	---	---	6
7	---	---	---	---	3.47	2.30	---	---	---	---	---	---	7
8	---	---	---	---	3.90	3.21	---	---	---	---	---	---	8
9	---	---	---	---	3.77	1.84	---	---	---	---	---	---	9
10	---	---	---	---	3.39	1.81	---	---	---	---	---	---	10
11	---	---	---	---	3.02	2.01	---	---	---	---	---	---	11
12	---	---	---	---	1.78	2.08	---	---	---	---	---	---	12
13	---	---	---	---	1.48	1.78	---	---	---	---	---	---	13
14	---	---	---	---	1.12	1.85	---	---	---	---	---	---	14
15	---	---	---	---	1.08	2.63	---	---	---	---	---	---	15
16	---	---	---	---	1.33	2.30	---	---	---	---	---	---	16
17	---	---	---	---	2.72	1.83	---	---	---	---	---	---	17
18	---	---	---	---	3.78	1.68	---	---	---	---	---	---	18
19	---	---	---	---	3.68	3.47	---	---	---	---	---	---	19
20	---	---	---	---	3.68	3.68	---	---	---	---	---	---	20
21	---	---	---	---	3.68	3.33	---	---	---	---	---	---	21
22	---	---	---	---	4.03	2.06	---	---	---	---	---	---	22
23	---	---	---	---	4.08	1.85	---	---	---	---	---	---	23
24	---	---	---	---	5.68	1.82	---	---	1.41A	---	---	---	24
25	---	---	---	---	5.64	1.78	---	---	---	---	---	---	25
26	---	---	---	---	6.68	1.73A	---	---	---	---	---	---	26
27	---	---	---	---	5.23	---	---	---	---	---	---	---	27
28	---	---	---	---	4.68	---	---	1.37A	---	---	---	---	28
29	---		---	0.8048	4.68	---	---	---	---	---	---	---	29
30	---		---	0.727	4.63	---	---	---	---	---	---	---	30
31	---		---	0.883	3.68	---	---	---	---	---	---	---	31
					3.20		---	---		---	---	---	
TOTAL	---	---	---	---	93.446	---	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	---	3.80	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	6.84	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	0.278	---	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM INSTANTANEOUS,
184 ON JUL 17

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS DERIVED FROM HIGH WATER MARK

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 45 40 N
LONG 116 31 30 W
DRAINAGE AREA, 218 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	---	SEP	---
APR	---	OCT	---
MAY	7 980	NOV	---
JUN	---	DEC	---

BUCHANAN CREEK NEAR MANNING - STATION NO 07HC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0068	1.30 B	0.640	0.065	0	0	0	0	---	---	1
2	---	---	0.0098	1.10 B	0.600	0.090	0	0	0	0	---	---	2
3	---	---	0.0148	0.8808	0.627	0.081	0	0	0	0	---	---	3
4	---	---	0.0188	0.7408	1.10	0.083	0	0	0	0	---	---	4
5	---	---	0.0238	0.9508	1.90	0.081	0.001	0	0	0	---	---	5
6	---	---	0.0258	1.25 B	1.29	0.081	0	0	0	0	---	---	6
7	---	---	0.0228	1.38 B	1.08	0.054	0	0	0	0	---	---	7
8	---	---	0.0208	1.38 B	3.04	0.038	0	0	0	0	---	---	8
9	---	---	0.0158	1.37 B	1.12	0.032	0	0	0	0	---	---	9
10	---	---	0.0108	0.9158	0.918	0.020	0	0	0	0	---	---	10
11	---	---	0.0108	0.6308	0.887	0.018	0	0	0	0	---	---	11
12	---	---	0.0108	0.5868	0.918	0.014	0	0	0	0	---	---	12
13	---	---	0.0108	0.5858	0.885	0.010	0.001	0	0	0	---	---	13
14	---	---	0.0108	0.5558	0.907	0.010	0	0	0	0	---	---	14
15	---	---	0.0108	0.6768	0.991	0.008	0.002	0	0	0	---	---	15
16	---	---	0.0108	0.9008	0.853	0.005	0.013	0	0	0	---	---	16
17	---	---	0.0108	1.35 E	0.778	0.003	0.014	0	0	0	---	---	17
18	---	---	0.0148	1.55 A	0.701	0.003	0.011	0	0	0	---	---	18
19	---	---	0.0208	1.58	0.631	0.002	0.006	0	0	0	---	---	19
20	---	---	0.0268	1.12	0.580	0.001	0.003	0	0	0	---	---	20
21	---	---	0.0438	1.05	0.507	0.001	0.001	0	0	0	---	---	21
22	---	---	0.0368	0.946	0.495	0.001	0.001	0	0	0	---	---	22
23	---	---	0.0268	0.848	0.568	0.001	0.001	0	0	0	---	---	23
24	---	---	0.0208	0.787	0.541	0	0.001	0	0	0	---	---	24
25	---	---	0.0108	0.758	0.558	0	0.001	0	0	0	---	---	25
26	---	0 B	0.0108	0.888	0.501	0	0.001	0	0	0	---	---	26
27	---	0 B	0.0108	0.829	0.549	0	0.001	0	0	0	---	---	27
28	---	0.0028	0.0508	0.807	0.412	0	0.001	0	0	0	---	---	28
29	---		0.1508	0.760	0.284	0	0.001	0	0	0	---	---	29
30	---		0.5008	0.684	0.190	0	0.001	0	0	0	---	---	30
31	---		1.60 B		0.187		0	0		0		---	31
TOTAL	---	---	2.764	28.833	26.231	0.573	0.081	0	0	0	---	---	TOTAL
MEAN	---	---	0.089	0.961	0.814	0.022	0.002	0	0	0	---	---	MEAN
MAX	---	---	1.60	1.58	3.04	0.081	0.014	0	0	0	---	---	MAX
MIN	---	---	0.006	0.565	0.187	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.235
MAXIMUM DAILY, 3.04 ON MAY 8
MINIMUM DAILY, 0 ON JUN 24
MAXIMUM INSTANTANEOUS,
5.12 AT 05 30 MST ON MAY 8

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 53 42 N
LONG 117 29 16 W
DRAINAGE AREA, 232 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5.27
FEB	---	AUG	0
MAR	239	SEP	0
APR	2 490	OCT	0
MAY	2 180	NOV	---
JUN	56.1	DEC	---

TOTAL DISCHARGE, 4 970 dam³

BUFFALO CREEK AT HIGHWAY NO. 41 - STATION NO. 05FE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0048	1.74	0.265	0.220	0.115	0.188	0.001E	0.154	0.079	---	1
2	---	---	0.0048	1.33	0.277	0.191	0.099	0.126	0.001E	0.144	0.100	---	2
3	---	---	0.0038	1.19	0.256	0.181	0.101	0.088	0.005E	0.133	0.114	---	3
4	---	---	0.0038	1.13	0.263	0.151	0.109	0.066	0.010E	0.110	0.167A	---	4
5	---	---	0.0038	1.07	0.263	0.153	0.134	0.060	0.001E	0.109	---	---	5
6	---	---	0.0018	1.07	0.275	0.152	0.185	0.056	0.001E	0.136	---	---	6
7	---	---	0.0018	0.925	0.262	0.129	0.155	0.076	0.001E	0.105	---	---	7
8	---	---	0.0018	0.935	0.278	0.123	0.139	0.068	0.001E	0.118	---	---	8
9	---	---	0.0058	0.877	0.287	0.180	0.138	0.047	0.001E	0.129	---	---	9
10	---	---	0.0108	0.806	0.264	0.131	0.169	0.031	0.001E	0.110	---	---	10
11	---	---	0.0578	0.721	0.266	0.117	0.241	0.025E	0.002E	0.125	---	---	11
12	---	---	0.1068	0.618	0.276	0.135	0.277	0.023E	0.015E	0.104	---	---	12
13	---	---	0.1718	0.518	0.277	0.105	0.286	0.020E	0.020E	0.088	---	---	13
14	---	---	0.2208	0.409	0.274	0.101	0.268	0.018E	0.050	0.103	---	---	14
15	---	---	0.2848	0.423	0.222	0.103	0.224	0.017E	0.043	0.100	---	---	15
16	---	---	0.3848	0.427	0.170	0.114	0.210	0.015E	0.041	0.081	---	---	16
17	---	---	0.4788	0.437	0.121	0.137	0.262	0.015E	0.020E	0.084	---	---	17
18	---	---	0.5778	0.422	0.116	0.299	0.345	0.015E	0.018E	0.080	---	---	18
19	---	---	0.7388	0.376	0.131	1.24	0.366	0.012E	0.018E	0.085	---	---	19
20	---	---	0.7708	0.307	0.159	1.14	0.374	0.008E	0.015E	0.083	---	---	20
21	---	---	0.8458	0.291	0.187	0.677	0.332	0.005E	0.015E	0.108	---	---	21
22	---	---	0.8158	0.306	0.180	0.610	0.239	0.003E	0.015E	0.072	---	---	22
23	---	---	0.8638	0.294	0.161	0.257	0.235	0.001E	0.015E	0.082	---	---	23
24	---	---	1.00 B	0.296	0.160	0.138	0.172	0.001E	0.015E	0.091	---	---	24
25	---	---	0.7888	0.276	0.181	0.111	0.130	0.001E	0.036E	0.081	---	---	25
26	---	0.0058	1.08 B	0.247	0.217	0.112	0.102	0.001E	0.111	0.080	---	---	26
27	---	0.0058	1.08 B	0.263	0.246	0.127	0.093	0.001E	0.224	0.090	---	---	27
28	---	0.0048	1.08 B	0.276	0.274	0.131	0.076	0.001E	0.241	0.102	---	---	28
29	---		1.10 B	0.252	0.218	0.123	0.109	0.001E	0.212	0.110	---	---	29
30	---		1.57 B	0.250	0.281	0.153	0.206	0.001E	0.173	0.139	---	---	30
31	---		2.02 B		0.265		0.206	0.001E		0.138		---	31
TOTAL	---	---	18.351	18.581	7.168	7.441	5.028	0.871	1.333	3.280	---	---	TOTAL
MEAN	---	---	0.529	0.619	0.333	0.248	0.155	0.031	0.044	0.106	---	---	MEAN
MAX	---	---	2.02	1.74	0.318	1.24	0.366	0.188	0.241	0.154	---	---	MAX
MIN	---	---	0.001	0.247	0.116	0.101	0.076	0.001	0.001	0.072	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.250
MAXIMUM DAILY, 2.020 ON MAR 31
MINIMUM DAILY, 0.0018 ON MAR 6

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 00 26 N
LONG 110 51 57 W
DRAINAGE AREA, 708 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	535
FEB	---	AUG	83.9
MAR	1 410	SEP	115
APR	1 610	OCT	283
MAY	621	NOV	---
JUN	643	DEC	---

TOTAL DISCHARGE, 5 290 dam³

BUFFALO LAKE NEAR ERSKINE - STATION NO 05CD005

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	780.272	780.322	---	---	---	780.231	---	---	1
2	---	---	---	---	---	---	780.261	---	780.334	---	---	---	2
3	---	---	---	---	---	---	---	780.328	780.221	---	---	---	3
4	---	---	780.157	---	---	780.318	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	780.313	---	780.253	---	---	5
6	---	---	---	---	---	---	780.258	780.331	---	---	---	---	6
7	---	---	---	---	---	---	780.258	---	780.211	---	---	---	7
8	---	---	---	---	---	780.285	---	---	---	780.272	---	---	8
9	---	---	---	---	---	780.312	780.248	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	780.202	---	---	---	10
11	---	---	---	---	780.270	780.281	---	780.318	---	---	---	---	11
12	---	---	---	---	780.270	---	---	---	---	780.282	---	---	12
13	---	---	---	---	---	---	780.243	780.303	---	---	---	---	13
14	---	---	---	780.268	---	---	---	---	780.231	---	---	---	14
15	---	---	---	---	780.352	780.282	---	---	---	780.280	---	---	15
16	---	---	---	---	---	---	780.276	---	---	---	---	---	16
17	---	---	---	---	---	---	---	780.293	780.231	---	---	---	17
18	---	---	---	---	780.345	---	---	---	---	---	---	---	18
19	---	---	---	---	---	780.297	---	---	---	780.278	---	---	19
20	---	---	780.166	---	---	---	780.322	780.292	---	---	---	---	20
21	---	---	---	---	780.342	---	---	---	780.225	---	---	---	21
22	---	---	---	---	---	780.295	---	---	---	780.280	---	---	22
23	---	---	---	---	780.362	---	780.332	---	---	---	---	---	23
24	---	---	---	---	---	---	---	780.275	780.213	---	---	---	24
25	---	---	---	---	780.332	780.290	---	---	---	---	---	---	25
26	---	---	780.195	---	---	---	---	---	---	780.276	---	---	26
27	---	---	---	---	---	---	780.332	780.255	---	---	---	---	27
28	---	---	---	---	780.324	---	---	---	780.214	780.253	---	---	28
29	---		---	---	---	---	---	---	---	780.273	---	---	29
30	---		---	---	---	780.270	780.335	---	780.258	---	---	---	30
31	---		---		---		---	780.233		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 27 53 N
LONG 112 52 57 W

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA, 1 570 km²

BULLPOUND CREEK NEAR THE MOUTH - STATION NO 05CG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	0	---	1
2	---	---	0	0	0	0	0	0	0	0	0	---	2
3	---	---	0	0	0	0	0	0	0	0	0	---	3
4	---	---	0	0	0	0	0	0	0	0	0	---	4
5	---	---	0	0	0	0	0	0	0	0	0	---	5
6	---	---	0	0	0	0	0	0	0	0	0A	---	6
7	---	---	0	0	0	0	0.066	0	0	0	---	---	7
8	---	---	0	0	0	0	3.76	0	0	0	---	---	8
9	---	---	0	0	0	0	7.28	0	0	0	---	---	9
10	---	---	0	0	0	0	9.08	0	0	0	---	---	10
11	---	---	0	0	0	0	4.08	0	0	0	---	---	11
12	---	---	0	0	0	0	0.178	0	0	0	---	---	12
13	---	---	0	0	0	0	0.130	0	0	0	---	---	13
14	---	---	0	0	0	0	0.088	0	0	0	---	---	14
15	---	---	0	0	0	0	0.018	0	0	0	---	---	15
16	---	---	0	0	0	0	0.008	0	0	0	---	---	16
17	---	---	0	0	0	0	0.005	0	0	0	---	---	17
18	---	---	0	0	0	0	0.001	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	---	0	0	0	0	0	0	0	0	---	---	27
28	---	0A	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	0	0	0	24.875	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0.796	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	9.08	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.101
MAXIMUM DAILY, 9.08 ON JUL 10
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
9.87 AT 08:55 MST ON JUL 11

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 05 56 N
LONG 111 05 44 W
DRAINAGE AREA, 1 490 km²
A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 130
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 2 130 dam³

BULLPOUND CREEK NEAR WATTS - STATION NO. 05CC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0.013	0.004	0	0	0	0	0.003	0.002	---	1
2	---	---	0.020	0.009	0.003	0	0	0	0	0.023	0.002	---	2
3	---	---	0.858	0.008	0.003	0	0	0	0	0.019	0.003A	---	3
4	---	---	0.071	0.008	0.004	0	0	0	0	0.021	---	---	4
5	---	---	0.076	0.007	0.004	0	0	0	0	0.022	---	---	5
6	---	---	0.107	0.007	0.004	0	0	0	0	0.021	---	---	6
7	---	---	0.106	0.007	0.003	0	0	0	0	0.018	---	---	7
8	---	---	0.120	0.006	0.002	0	0	0	0	0.005	---	---	8
9	---	---	0.117	0.006	0.002	0	0	0	0	0.017	---	---	9
10	---	---	0.114	0.006	0.002	0	0	0	0	0.019	---	---	10
11	---	---	0.107	0.005	0.001	0	0	0	0	0.015	---	---	11
12	---	---	0.105	0.005	0.001	0	0	0	0	0.014	---	---	12
13	---	---	0.071	0.004	0	0	0	0	0	0.013	---	---	13
14	---	---	0.060	0.004	0	0	0	0	0	0.011	---	---	14
15	---	---	0.053	0.004	0.002	0	0	0	0	0.010	---	---	15
16	---	---	0.051	0.004	0.006	0	0	0	0	0.009	---	---	16
17	---	---	0.049	0.004	0.006	0	0	0	0	0.008	---	---	17
18	---	---	0.048	0.004	0.005	0	0	0	0	0.007	---	---	18
19	---	---	0.049	0.003	0.004	0	0	0	0	0.007	---	---	19
20	---	---	0.045	0.003	0.003	0	0	0	0	0.007	---	---	20
21	---	---	0.042	0.003	0.001	0	0	0	0	0.006	---	---	21
22	---	---	0.039	0.004	0	0	0	0	0	0.006	---	---	22
23	---	---	0.035	0.004	0	0	0	0	0	0.005	---	---	23
24	---	0A	0.030	0.004	0	0	0	0	0	0.004	---	---	24
25	---	0	0.027	0.004	0	0	0	0	0	0.004	---	---	25
26	---	0	0.038	0.004	0	0	0	0	0.005	0.003	---	---	26
27	---	0	0.028	0.003	0	0	0	0	0.003	0.003	---	---	27
28	---	0	0.018	0.003	0	0	0	0	0.001	0.003	---	---	28
29	---		0.016	0.004	0	0	0	0	0.001	0.003	---	---	29
30	---		0.016	0.004	0	0	0	0	0.001	0.003	---	---	30
31	---		0.016		0		0	0		0.002		---	31
TOTAL	---	---	1.731	0.154	0.060	0	0	0	0.011	0.314	---	---	TOTAL
MEAN	---	---	0.056	0.005	0.002	0	0	0	0	0.010	---	---	MEAN
MAX	---	---	0.120	0.013	0.006	0	0	0	0.005	0.023	---	---	MAX
MIN	---	---	0	0.003	0	0	0	0	0	0.002	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.009
MAXIMUM DAILY, 0.120 ON MAR 8
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.172 AT 09:58 MST ON MAR 6

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 39 43 N
LONG 112 05 00 W
DRAINAGE AREA, 197 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	150	SEP	0.95
APR	13.3	OCT	27.1
MAY	5.18	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 197 dam³

CABIN CREEK NEAR SEEBE - STATION NO. 05BF019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.007	0.006	0.005	0.005	0.012	0.162	0.035	0.040	0.019	0.015	0.023	0.010	1
2	0.007	0.006	0.005	0.006	0.014	0.136	0.035	0.037	0.018	0.015	0.023	0.013	2
3	0.007	0.006	0.005	0.005	0.021	0.112	0.040	0.035	0.018	0.015	0.022	0.013	3
4	0.006	0.005	0.005	0.007	0.025	0.093	0.037	0.034	0.018	0.015	0.022	0.013	4
5	0.005	0.005	0.005	0.007	0.019	0.085	0.035	0.034	0.018	0.020	0.022	0.012	5
6	0.005	0.005	0.005	0.007	0.019	0.094	0.033	0.033	0.018	0.032	0.021	0.012	6
7	0.006	0.005	0.005	0.006	0.019	0.082	0.032	0.031	0.018	0.037	0.019	0.012	7
8	0.005	0.005	0.005	0.005	0.021	0.082	0.032	0.033	0.017	0.037	0.020	0.012	8
9	0.006	0.005	0.005	0.012	0.023	0.084	0.032	0.032	0.017	0.034	0.018	0.011	9
10	0.006	0.005	0.005	0.011	0.025	0.080	0.031	0.030	0.017	0.032	0.018	0.011	10
11	0.006	0.005	0.005	0.010	0.023	0.074	0.030	0.030	0.018	0.030	0.018	0.011	11
12	0.006	0.005	0.005	0.009	0.022	0.068	0.029	0.029	0.018	0.028	0.018	0.011	12
13	0.005	0.005	0.005	0.008	0.022	0.065	0.029	0.028	0.018	0.028	0.018	0.011	13
14	0.005	0.004	0.005	0.008	0.021	0.063	0.028	0.027	0.018	0.028	0.017	0.010	14
15	0.005	0.003	0.005	0.009	0.020	0.065	0.030	0.026	0.018	0.029	0.017	0.010	15
16	0.005	0.003	0.005	0.008	0.021	0.057	0.030	0.025	0.018	0.030	0.017	0.010	16
17	0.005	0.003	0.005	0.009	0.024	0.055	0.042	0.024	0.015	0.030	0.017	0.010	17
18	0.005	0.003	0.005	0.009	0.029	0.054	0.040	0.023	0.015	0.029	0.017	0.010	18
19	0.005	0.003	0.005	0.009	0.043	0.051E	0.040	0.022	0.015	0.028	0.016	0.010	19
20	0.005	0.003	0.006	0.010	0.066	0.048A	0.040	0.022	0.015	0.028	0.016	0.009	20
21	0.005	0.003	0.005	0.013	0.079	0.045	0.037	0.021	0.015	0.027	0.016	0.009	21
22	0.005	0.003	0.005	0.020	0.068	0.044	0.035	0.021	0.014	0.027	0.016	0.009	22
23	0.005	0.003	0.005	0.015	0.059	0.044	0.035	0.020	0.014	0.026	0.015	0.009	23
24	0.005	0.004	0.005	0.013	0.070	0.043	0.035	0.020	0.014	0.026	0.015	0.009	24
25	0.005	0.005	0.005	0.012	0.151	0.042	0.035	0.020	0.015	0.025	0.015	0.009	25
26	0.005	0.005	0.005	0.012	0.227	0.040	0.037	0.020	0.015	0.026	0.015	0.008	26
27	0.005	0.005	0.005	0.012	0.259	0.038	0.040	0.019	0.015	0.026	0.015	0.009	27
28	0.005	0.005	0.007	0.012	0.240	0.038	0.040	0.018	0.015	0.027	0.014	0.009	28
29	0.005		0.007	0.012	0.211	0.040	0.048	0.018	0.015	0.026	0.014	0.009	29
30	0.005		0.007	0.012	0.193	0.037	0.043	0.021	0.015	0.025	0.014	0.009	30
31	0.005		0.006		0.177		0.040	0.020		0.024		0.009	31
TOTAL	0.168	0.123	0.170	0.304	2.219	2.018	1.111	0.814	0.486	0.830	0.525	0.324	TOTAL
MEAN	0.005	0.004	0.005	0.010	0.072	0.067	0.036	0.026	0.016	0.027	0.018	0.010	MEAN
MAX	0.007	0.006	0.007	0.020	0.259	0.162	0.048	0.040	0.019	0.037	0.023	0.014	MAX
MIN	0.005	0.003	0.005	0.006	0.012	0.037	0.028	0.018	0.014	0.015	0.014	0.009	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.025
MAXIMUM DAILY, 0.259 ON MAY 27
MINIMUM DAILY, 0.003 ON FEB 18
MAXIMUM INSTANTANEOUS,
0.264 AT 16:23 MST ON MAY 26

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 33 N
LONG 115 10 00 W
DRAINAGE AREA, 3.12 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	10.3	JUL	69.0
FEB	10.6	AUG	70.3
MAR	14.7	SEP	42.0
APR	26.3	OCT	71.7
MAY	192	NOV	46.4
JUN	174	DEC	28.0

TOTAL DISCHARGE, 787 dam³

CADOTTE RIVER AT OUTLET CADOTTE LAKE - STATION NO. 07HB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.237	0.727	0.106	0.233	0.431	0.005	0.005	---	---	1
2	---	---	0 B	0.211	0.851	0.028	0.068	0.281	0.004	0.005	---	---	2
3	---	---	0 B	0.222	0.640	0.028	0.032	0.223	0.004	0.004	---	---	3
4	---	---	0 B	0.190	0.533	0.027	0.028	0.104	0.005	0.004	---	---	4
5	---	---	0 B	0.211	0.497	0.027	0.028	0.048	0.005	0.004	---	---	5
6	---	---	0 B	0.206	0.554	0.020	0.030	0.034	0.005	0.004	---	---	6
7	---	---	0.0018	0.196	0.662	0.024	0.030	0.033	0.005	0.005	---	---	7
8	---	---	0.0018	0.206	0.609	0.018	0.031	0.027	0.005	0.005	---	---	8
9	---	---	0.0018	0.206	0.525	0.016	0.033	0.030	0.005	0.004	---	---	9
10	---	---	0.0018	0.225	0.548	0.014	0.044	0.028	0.005	0.004	---	---	10
11	---	---	0.0028	0.290	0.692	0.012	0.054	0.025	0.005	0.005	---	---	11
12	---	---	0.0028	0.307	0.725	0.011	0.130	0.022	0.005	0.004	---	---	12
13	---	---	0.0028	0.283	0.526	0.011	0.328	0.023	0.005	0.004	---	---	13
14	---	---	0.0028	0.260	0.383	0.010	0.551	0.016	0.006	0.004	---	---	14
15	---	---	0.0028	0.271	0.535	0.010	0.684	0.014	0.005	0.004	---	---	15
16	---	---	0.0048	0.278	0.842	0.010	0.803	0.015	0.005	0.004	---	---	16
17	---	---	0.0058	0.333	0.524	0.011	0.814	0.014	0.005	0.004	---	---	17
18	---	---	0.0088	0.407	0.551	0.011	0.707	0.012	0.005	0.004	---	---	18
19	---	---	0.0158	0.438	0.536	0.012A	0.580	0.011	0.005	0.004	---	---	19
20	---	---	0.0288	0.545	0.589	0.021E	0.870	0.011	0.005	0.004	---	---	20
21	---	---	0.103	0.553	0.385	0.060E	1.12	0.009	0.005	0.004	---	---	21
22	---	---	0.096	0.575	0.515	0.125E	0.953	0.009	0.005	0.004	---	---	22
23	---	---	0.083	0.575	0.648	0.085E	0.981	0.008	0.005	0.004	---	---	23
24	---	---	0.103	0.585	0.652	0.055E	0.961	0.006	0.006	0.004	---	---	24
25	---	0B	0.113	0.602	0.556	0.035A	0.852	0.006	0.005	0.004	---	---	25
26	---	0B	0.109	0.620	0.610	0.034	0.813	0.006	0.004	0.004	---	---	26
27	---	0B	0.147	0.658	0.413	0.085	0.824	0.006	0.004	0.004	---	---	27
28	---	0B	0.174	0.616	0.506	0.129	0.782	0.006	0.004	0.005	---	---	28
29	---		0.201	0.586	0.329	0.218	0.589	0.005	0.005	0.005	---	---	29
30	---		0.232	0.719	0.237	0.124	0.476	0.005	0.004	0.005A	---	---	30
31	---		0.255		0.192		0.436	0.005		0.004E		---	31
TOTAL	---	---	1.598	11.586	16.569	1.388	15.181	1.473	0.148	0.132	---	---	TOTAL
MEAN	---	---	0.055	0.387	0.534	0.048	0.490	0.048	0.005	0.004	---	---	MEAN
MAX	---	---	0.255	0.719	0.727	0.218	1.12	0.431	0.006	0.005	---	---	MAX
MIN	---	---	0	0.190	0.192	0.010	0.028	0.005	0.004	0.004	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.197
MAXIMUM DAILY, 1.12 ON JUL 21
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.87 AT 17:30 MST ON MAY 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 29 12 N
LONG 116 25 58 W
DRAINAGE AREA, 881 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 310
FEB	---	AUG	127
MAR	147	SEP	12.8
APR	1 000	OCT	11.4
MAY	1 430	NOV	---
JUN	120	DEC	---

TOTAL DISCHARGE, 4 180 dam³

CAIRN HILL SPILLWAY NEAR THE MOUTH - STATION NO. 05BM012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.006	0.099	0.384	0.195	0.102	1.57	0.024	0.0068	1
2	---	---	---	---	0.005	0.071	0.264	0.166	0.093	1.61	0.028	0.0058	2
3	---	---	---	---	0.003	0.083	0.254	0.172	0.109	2.02	0.031	0.0048	3
4	---	---	---	---	0.009	0.089	0.223	0.148	0.096	1.88	0.036	0.0028	4
5	---	---	---	---	0.048	0.084	0.240	0.118	0.094	1.84	0.039	0.0018	5
6	---	---	---	---	0.101	0.085	0.218	0.142	0.081	1.91	0.041B	0.0018	6
7	---	---	---	---	0.109	0.084	0.184	0.119	0.089	1.89	0.027B	0 B	7
8	---	---	---	---	0.088	0.074	0.212	0.185	0.068	1.83	0.024	0 B	8
9	---	---	---	---	0.088	0.083	0.230	0.185	0.073	1.41	0.023	0 B	9
10	---	---	---	---	0.070	0.092	0.232	0.184	0.073	0.546	0.022	0 B	10
11	---	---	---	---	0.070	0.090	0.226	0.177	0.077	0.218	0.021	0 B	11
12	---	---	---	---	0.070	0.084	0.269	0.182	0.083	0.120	0.021	0 B	12
13	---	---	---	---	0.078	0.080	0.189	0.074	0.078	0.087	0.016B	0 B	13
14	---	---	---	---	0.131	0.073	0.185	0.088	0.084	0.071	0.008B	0 B	14
15	---	---	---	---	0.1088	0.084	0.202	0.082	0.082	0.081	0.008B	0 B	15
16	---	---	---	---	0.9838	0.092	0.247	0.071	0.083	0.055	0.008B	0 B	16
17	---	---	---	---	0.8088	0.104	0.290	0.071	0.153	0.051	0.008B	0 B	17
18	---	---	---	---	0.4398	0.120	0.398	0.071	0.152	0.048	0.008B	0 B	18
19	---	---	---	---	0.3388	0.112	0.294	0.080	0.152	0.043	0.008B	0 B	19
20	---	---	---	---	0.3048	0.078	0.253	0.047	0.130	0.041	0.008B	0 B	20
21	---	---	---	---	0.2628	0.121	0.207	0.052	0.117	0.038	0.008B	0 B	21
22	---	---	---	---	0.2338	0.193	0.187	0.049	0.103	0.036	0.008B	0 B	22
23	---	---	---	---	0.1678	0.180	0.162	0.047	0.091	0.033	0.008B	0 B	23
24	---	---	---	---	0.130	0.177	0.174	0.049	0.080	0.031	0.008B	0 B	24
25	---	---	---	0.011A	0.111	0.188	0.172	0.053	0.488	0.030	0.007B	0 B	25
26	---	---	---	0.010	0.098	0.208	0.238	0.064	2.20	0.028	0.007B	0 B	26
27	---	---	---	0.008	0.087	0.191	0.316	0.087	2.10	0.027	0.008B	0 B	27
28	---	---	---	0.008	0.087	0.233	0.303	0.084	1.71	0.027	0.008B	0 B	28
29	---		---	0.007	0.078	0.352	0.230	0.074	1.58	0.026	0.008B	0 B	29
30	---		---	0.007	0.094	0.421	0.158	0.080	1.55	0.026	0.007B	0 B	30
31	---		---		0.108		0.158	0.118		0.025		0 B	31
TOTAL	---	---	---	---	5.284	4.005	7.318	3.282	11.919	18.027	0.484	0.019	TOTAL
MEAN	---	---	---	---	0.170	0.134	0.236	0.105	0.397	0.582	0.015	0.001	MEAN
MAX	---	---	---	---	0.893	0.421	0.384	0.195	2.20	2.02	0.041	0.008	MAX
MIN	---	---	---	---	0.003	0.073	0.158	0.047	0.068	0.025	0.008	0	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.271
MAXIMUM DAILY, 2.20 ON SEP 26
MINIMUM DAILY, 0.003 ON MAY 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 51 30 N
LONG 113 21 05 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	833
FEB	---	AUG	282
MAR	---	SEP	1 030
APR	---	OCT	1 580
MAY	467	NOV	40.1
JUN	346	DEC	1.84

TOTAL DISCHARGE, 4 310 dam³

CALLING LAKE AT RANGER STATION - STATION NO. 07CB001

DAILY WATER LEVEL IN METRES FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	593.893	593.987	593.995	594.333	594.278	594.133	---	---	1
2	---	---	---	---	593.893	593.987	593.995	594.338	594.278	594.133	---	---	2
3	---	---	---	593.898	593.893	593.977	593.995	594.338	594.278	594.128	---	---	3
4	---	---	---	---	593.903	593.978	593.996	594.354	594.250	594.118	594.033	---	4
5	---	---	---	---	593.903	593.973	593.995	594.369	594.240	594.108	---	---	5
6	---	---	593.896	---	593.903	593.973	593.995	594.364	594.245	594.108	---	---	6
7	---	---	---	---	593.913	593.978	593.994	594.369	594.240	594.118	---	---	7
8	---	---	---	---	593.903	593.974	593.994	594.370	594.235	594.108	---	---	8
9	---	---	---	---	593.936	593.979	593.995	594.370	594.230	594.103	---	---	9
10	---	---	---	---	593.903	593.979	594.004	594.370	594.236	594.103	---	---	10
11	---	---	---	---	593.913	593.979	594.005	594.370	594.236	594.103	---	---	11
12	---	---	---	---	593.934	593.988	594.005	594.370	594.201	594.078	---	---	12
13	---	---	---	---	593.944	593.979	594.025	594.366	594.201	594.078	---	---	13
14	---	---	---	---	593.944	593.980	594.035	594.366	594.191	594.088	---	---	14
15	---	---	---	---	593.924	593.970	594.055	594.366	594.182	594.078	---	---	15
16	---	---	---	---	593.934	593.970	594.085	594.351	594.182	594.073	---	---	16
17	---	---	---	---	593.935	593.970	594.091	594.351	594.167	594.068	---	---	17
18	---	---	---	---	593.935	593.980	594.126	594.341	594.177	594.078	---	---	18
19	---	---	---	---	593.935	593.991	594.151	594.342	594.172	594.068	---	---	19
20	---	---	---	---	593.935	593.996	594.166	594.327	594.162	594.078	---	---	20
21	---	---	---	---	593.935	593.999	594.186	594.327	594.162	594.063	---	---	21
22	---	---	---	---	593.945	594.001	594.197	594.322	594.158	594.073	---	---	22
23	---	---	---	---	593.956	593.994	594.247	594.312	594.141	594.063	---	---	23
24	---	---	---	---	593.956	593.994	594.317	594.313	594.138	594.058	---	---	24
25	---	---	---	---	593.966	593.996	594.267	594.318	594.138	594.053	---	---	25
26	---	---	---	---	593.976	593.997	594.262	594.298	594.138	594.048	---	---	26
27	---	---	---	---	593.966	593.996	594.267	594.293	594.148	594.058	---	---	27
28	---	---	---	---	593.977	593.994	594.298	594.298	594.148	594.038	---	---	28
29	---		---	---	593.987	593.995	594.318	594.293	594.143	594.048	---	---	29
30	---		---	---	593.977	593.996	594.323	594.284	594.143	594.058	---	---	30
31	---		---		593.967		594.328	594.284		594.038		---	31
MEAN	---	---	---	---	593.935	593.985	594.120	594.338	594.195	594.082	---	---	MEAN
MAX	---	---	---	---	593.987	594.001	594.328	594.370	594.278	594.133	---	---	MAX
MIN	---	---	---	---	593.893	593.970	593.994	594.284	594.138	594.038	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1985

MAXIMUM DAILY, 594.370 ON AUG 8

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 13 35 N
LONG 113 12 05 W

NATURAL FLOW

DRAINAGE AREA, 1 220 km²

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

CANADIAN ST. MARY CANAL AT DROP NO. 1 - STATION NO. 05AF028

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	28.5	46.5	73.5	58.7	48.2	3.00	0	---	1
2	---	---	---	0	30.0	48.7	75.4	58.1	49.9	3.15	0	---	2
3	---	---	---	0	34.0	54.2	74.9	58.0	52.6	3.02	0A	---	3
4	---	---	---	0	34.5	55.0	74.9	58.3	52.7	3.05	0E	---	4
5	---	---	---	0	34.7	55.2	75.2	58.4	52.4	8.93	0E	---	5
6	---	---	---	0	30.8	55.3	75.0	58.7	50.5	17.3	0E	---	6
7	---	---	---	0	21.8	55.6	74.9	58.7	50.2	16.9	0E	---	7
8	---	---	---	0	17.6	55.5	74.8	58.0	49.0	17.0	0E	---	8
9	---	---	---	0	17.3	55.7	74.8	56.0	45.8	11.7	0E	---	9
10	---	---	---	0	17.3	55.2	74.5	56.1	42.9	7.41	0E	---	10
11	---	---	---	0	17.2	55.6	74.4	56.2	35.9	1.58	0E	---	11
12	---	---	---	0	17.4	58.1	74.8	55.6	30.1	0.267	0E	---	12
13	---	---	---	0	17.3	59.0	74.5	53.6	26.3	0.093	0E	---	13
14	---	---	---	0	16.2	63.2	74.3	53.3	23.0	0.034	0E	---	14
15	---	---	---	0	10.8	63.7	73.9	53.6	22.7	0	0E	---	15
16	---	---	---	0.011	9.30	63.9	73.8	53.7	22.6	0	0E	---	16
17	---	---	---	0.011	8.78	65.5	72.1	53.4	22.6	0	0E	---	17
18	---	---	---	0.012	8.84	69.6	67.8	53.1	22.6	0	0E	---	18
19	---	---	---	0.013	8.80	69.7	67.1	52.3	20.2	0	0E	---	19
20	---	---	---	0.014	9.70	69.8	67.0	52.5	18.9	0	0E	---	20
21	---	---	---	0.015	13.1	69.3	66.7	52.3	17.4	0	0E	---	21
22	---	---	---	0.015	13.6	69.4	66.3	52.6	16.0	0	0E	---	22
23	---	---	---	0.016	13.6	69.2	65.8	52.2	13.8	0	0E	---	23
24	---	---	0A	2.43	13.6	70.3	65.8	51.6	13.4	0	0E	---	24
25	---	---	0	8.08	13.7	75.8	65.6	51.6	12.3	0	0E	---	25
26	---	---	0	10.0	13.6	80.5	65.3	51.6	7.87	0	0E	---	26
27	---	---	0	10.0	14.8	81.0	65.0	51.1	3.98	0	0E	---	27
28	---	---	0	10.8	19.6	80.8	64.1	50.6	3.05	0	0E	---	28
29	---		0	16.3	26.2	81.3	62.0	49.8	2.98	0	0E	---	29
30	---		0	23.8	35.0	81.0	61.1	49.4	2.89	0	0E	---	30
31	---		0		36.9		59.2	48.2		0		---	31
TOTAL	---	---	---	82.517	606.82	1 933.4	2 180.6	1 678.1	833.89	83.414	0	---	TOTAL
MEAN	---	---	---	2.75	19.6	64.4	70.3	54.1	27.8	3.01	0	---	MEAN
MAX	---	---	---	23.8	36.9	81.3	78.5	58.7	52.7	18.9	0	---	MAX
MIN	---	---	---	0	8.78	46.5	59.2	48.2	2.98	0	0	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 30.4
MAXIMUM DAILY, 81.3 ON JUN 29
MINIMUM DAILY, 0 ON APR 1

SUMMARY FOR THE MONTHS APR TO NOV

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 26 05 N
LONG 112 41 53 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	188 000
FEB	---	AUG	145 000
MAR	---	SEP	72 000
APR	7 130	OCT	8 070
MAY	52 400	NOV	0
JUN	187 000	DEC	---

TOTAL DISCHARGE, 640 000 dam³

CANADIAN ST. MARY CANAL NEAR SPRING COULEE - STATION NO. 05AE026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	38.3	53.8	81.1	68.5	56.5	31.5	0	---	1
2	---	---	---	0	40.0	62.0	80.9	79.4	56.3	31.5	0	---	2
3	---	---	---	0	42.5	69.0	80.4	79.1	56.0	27.9	0	---	3
4	---	---	---	0	42.5	69.2	80.5	78.7	55.8	25.5	0	---	4
5	---	---	---	0	40.7	68.3	80.5	75.5	51.2	25.6	0	---	5
6	---	---	---	0	31.9	68.9	80.5	67.3	48.2	25.6	0A	---	6
7	---	---	---	0	23.8	69.1	80.6	66.6	48.1	25.7	0E	---	7
8	---	---	---	0	24.0	68.5	80.7	64.0	44.9	25.8	0E	---	8
9	---	---	---	0	24.0	68.4	80.4	61.6	41.8	25.8	0E	---	9
10	---	---	---	0	23.9	66.6	80.3	61.5	37.2	19.0	0E	---	10
11	---	---	---	0	23.9	64.0	76.6	61.1	29.9	14.4	0E	---	11
12	---	---	---	0	23.9	66.9	70.6	58.8	22.5	11.9	0E	---	12
13	---	---	---	0	23.7	71.3	70.6	57.0	19.9	7.94	0E	---	13
14	---	---	---	0	17.2	75.3	67.1	53.9	20.0	3.84	0E	---	14
15	---	---	---	0	8.19	75.3	64.4	43.1	20.0	0.045	0E	---	15
16	---	---	---	0.010	6.79	75.3	64.3	52.6	19.9	0.010	0E	---	16
17	---	---	---	0.012	6.79	76.7	61.9	55.3	20.0	0	0E	---	17
18	---	---	---	1.57	6.81	78.0	57.9	55.9	20.0	0	0E	---	18
19	---	---	---	12.3	6.76	77.9	58.1	56.4	20.1	0	0E	---	19
20	---	---	---	12.3	13.6	78.0	58.0	56.8	20.1	0	0E	---	20
21	---	---	---	12.3	19.8	77.8	58.0	46.0	20.1	0	0E	---	21
22	---	---	---	12.2	19.9	77.8	57.8	31.1	20.1	0	0E	---	22
23	---	---	---	15.5	15.5	77.6	57.8	29.0	29.9	0	0E	---	23
24	---	---	0A	18.7	19.8	78.5	57.7	29.0	45.4	0	0E	---	24
25	---	---	0	18.7	15.9	80.4	56.2	29.0	45.5	0	0E	---	25
26	---	---	0	18.7	19.9	78.3	55.6	29.0	36.2	0	0E	---	26
27	---	---	0	18.6	19.8	79.6	55.5	28.9	32.0	0	0E	---	27
28	---	---	0	20.6	23.4	81.0	50.1	38.8	32.0	0	0E	---	28
29	---		0	28.1	36.9	81.0	43.8	54.5	32.0	0	0E	---	29
30	---		0	35.0	50.8	81.0	43.5	56.8	31.9	0	0E	---	30
31	---		0		53.6		47.3	56.8		0		---	31
TOTAL	---	---	---	224.592	773.24	2 196.5	2 038.6	1 882.1	1 033.5	302.235	0	---	TOTAL
MEAN	---	---	---	7.49	24.9	73.2	65.8	54.3	34.5	9.75	0	---	MEAN
MAX	---	---	---	35.0	53.6	81.0	81.1	79.4	56.5	31.6	0	---	MAX
MIN	---	---	---	0	6.76	53.8	43.5	28.9	19.9	0	0	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 33.8
MAXIMUM DAILY, 81.1 ON JUL 1
MINIMUM DAILY, 0 ON APR 1

SUMMARY FOR THE MONTHS APR TO NOV

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 20 38 N
LONG 113 02 35 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	176 000
FEB	---	AUG	145 000
MAR	---	SEP	89 300
APR	19 400	OCT	26 100
MAY	66 800	NOV	0
JUN	190 000	DEC	---

TOTAL DISCHARGE 713 000 dam³

CARDINAL RIVER NEAR THE MOUTH - STATION NO. 05DD008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.80E	18.3	11.4	15.7	4.32	6.20	4.36	---	1
2	---	---	---	---	2.50E	17.1	9.01	14.3	4.26	5.74	5.23	---	2
3	---	---	---	---	3.50E	13.0	7.84	13.5	4.47	5.68	4.68	---	3
4	---	---	---	---	4.00E	11.1	7.42	14.3	5.95	8.47	4.57	---	4
5	---	---	---	---	4.50E	10.9	12.1	13.1	7.15	8.94	4.47A	---	5
6	---	---	---	---	5.00E	11.7	12.4	12.8	5.62	11.0	---	---	6
7	---	---	---	---	5.50E	12.0	14.5	11.3	5.04	10.6	---	---	7
8	---	---	---	---	5.85A	10.9	12.5	10.5	4.78	11.0	---	---	8
9	---	---	---	---	5.97	9.40	13.1	9.81	4.61	9.47	---	---	9
10	---	---	---	---	6.33	8.73	14.4	9.02	4.76	8.69	---	---	10
11	---	---	---	---	4.33	9.51	11.2	8.58	6.74	8.12	---	---	11
12	---	---	---	---	4.10	8.28	9.85	8.86	6.41	7.78	---	---	12
13	---	---	---	---	3.96	7.38	9.61	8.55	5.74	7.42	---	---	13
14	---	---	---	---	3.41	7.24	8.54	7.77	5.37	7.14	---	---	14
15	---	---	---	---	3.09	10.6	8.82	7.22	5.39	6.95	---	---	15
16	---	---	---	---	3.35	8.67	21.5	8.88	5.37	6.72	---	---	16
17	---	---	---	---	5.39	7.34	84.2	8.62	5.38	6.53	---	---	17
18	---	---	---	---	7.15	8.14	88.5	8.29	5.31	6.25	---	---	18
19	---	---	---	---	8.52	9.51	59.7	8.34	5.07	6.04	---	---	19
20	---	---	---	---	10.2	7.46	48.3	8.02	4.80	5.92	---	---	20
21	---	---	---	---	10.4	6.33	40.9	8.70	4.75	5.84	---	---	21
22	---	---	---	---	7.27	5.89	34.6	8.48	4.83	5.86	---	---	22
23	---	---	---	---	8.40	6.15	38.1	8.29	4.81	5.46	---	---	23
24	---	---	---	---	8.63	7.09	31.8	8.23	4.55	5.37	---	---	24
25	---	---	---	---	11.4	8.84	24.8	8.51	5.43	5.30	---	---	25
26	---	---	---	---	20.8	8.72	22.8	8.37	7.71	5.22	---	---	26
27	---	---	---	---	32.8	8.23	20.7	4.90	6.88	5.21	---	---	27
28	---	---	---	---	29.7	8.28	18.3	4.86	6.07	5.11	---	---	28
29	---		---	---	28.3	8.15	20.0	4.57	5.87	4.82	---	---	29
30	---		---	1.80E	23.8	15.3	18.8	4.63	6.34	4.74	---	---	30
31	---		---	1.75E	21.2		17.4	4.51		4.28		---	31
TOTAL	---	---	---	---	300.85	280.15	722.59	263.31	183.12	211.85	---	---	TOTAL
MEAN	---	---	---	---	9.70	9.34	23.3	8.17	5.44	6.83	---	---	MEAN
MAX	---	---	---	---	32.8	19.3	88.5	15.7	7.71	11.0	---	---	MAX
MIN	---	---	---	---	1.80	5.23	7.42	4.51	4.28	4.28	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.5
MAXIMUM DAILY, 88.5 ON JUL 18
MINIMUM DAILY, 1.80E ON MAY 1
MAXIMUM INSTANTANEOUS,
101 AT 02:27 MST ON JUL 18

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 52 04 N
LONG 116 35 43 W
DRAINAGE AREA, 495 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	62 400
FEB	---	AUG	21 900
MAR	---	SEP	14 100
APR	---	OCT	16 300
MAY	28 000	NOV	---
JUN	24 200	DEC	---

TOTAL DISCHARGE, 167 000 dam³

CASCADE POWER DIVERSION NEAR BANFF - STATION NO. 05BD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.396	0.396	0.425	10.3	9.20	0.396	3.31	0.425	8.01	1.70	0.765	12.4	1
2	12.8	0.396	0.425	10.1	8.95	0.396	11.5	0.396	8.61	0.510	0.680	11.5	2
3	13.1	11.2	8.75	10.3	0.425	0.396	6.28	0.396	7.73	0.481	0.425	11.4	3
4	0.396	11.2	8.41	9.12	0.425	12.3	8.77	0.368	13.9	0.453	0.425	11.5	4
5	0.396	10.3	8.75	0.425	0.396	26.8	0.368	0.368	1.44	0.453	0.425	11.3	5
6	13.1	10.0	14.9	0.396	0.425	28.2	0.340	0.368	0.510	0.453	0.425	5.92	6
7	12.3	8.61	10.2	9.12	0.425	24.1	5.92	0.368	0.510	0.453	0.425	8.37	7
8	13.2	0.425	0.396	8.95	1.73	25.3	0.340	0.368	8.01	0.453	0.736	13.9	8
9	13.3	0.396	0.396	9.08	0.425	24.5	0.340	0.368	8.91	0.453	0.991	17.0	9
10	13.8	8.41	10.9	9.15	0.425	23.7	0.340	0.340	0.510	0.453	2.86	17.1	10
11	0.396	8.98	10.5	8.98	0.425	25.9	0.340	0.340	0.481	0.425	0.425	14.3	11
12	0.396	8.47	10.6	0.680	0.425	25.3	0.340	3.31	7.25	0.425	8.41	18.4	12
13	13.3	8.55	10.3	0.425	0.340	25.6	0.340	0.368	1.02	0.425	9.28	7.45	13
14	12.1	8.55	8.18	9.37	3.96	25.7	0.340	0.340	0.481	8.85	8.82	8.07	14
15	10.1	0.396	5.27	8.98	0.425	25.7	0.340	3.20	2.89	0.425	5.64	17.9	15
16	4.45	2.44	0.396	9.23	0.425	25.8	7.98	0.340	2.94	0.425	5.48	20.1	16
17	4.42	8.32	10.1	8.86	0.425	8.78	21.0	0.340	2.87	0.425	5.52	19.4	17
18	2.94	8.01	9.94	9.03	0.425	0.028	21.0	2.89	0.538	0.425	8.46	20.4	18
19	0.425	11.2	8.80	0.425	0.425	6.88	21.1	3.00	0.623	0.425	5.84	19.8	19
20	5.61	11.4	10.1	0.425	4.55	21.3	21.2	2.89	0.623	0.425	5.69	8.58	20
21	5.97	11.2	10.4	9.06	0.425	21.4	21.0	2.89	0.595	0.425	10.1	8.61	21
22	5.18	0.396	0.396	16.3	0.396	21.4	21.0	0.340	0.566	0.425	8.17	19.0	22
23	5.32	0.396	1.36	9.06	0.425	21.0	21.0	2.83	0.510	0.425	5.52	18.4	23
24	6.03	12.2	10.1	11.4	0.425	14.0	21.0	3.03	0.510	0.425	8.81	18.6	24
25	6.26	10.6	10.4	9.12	0.425	13.8	21.0	2.55	0.566	2.18	9.49	5.56	25
26	5.92	0.396	10.4	0.425	12.7	13.0	21.1	0.227	0.623	3.00	8.97	8.61	26
27	5.07	0.425	10.2	0.396	14.4	11.6	18.6	0.142	0.623	0.793	8.88	8.95	27
28	5.15	0.425	10.4	8.88	15.3	3.00	20.3	4.39	0.595	3.14	9.80	8.57	28
29	5.38		0.425	9.09	1.53	2.83	21.6	8.72	0.566	0.396	5.83	18.4	29
30	5.41		0.425	8.58	0.396	11.6	14.4	12.2	0.538	2.12	5.75	18.5	30
31	5.27		10.2		0.396		0.481	8.92		0.481		18.7	31
TOTAL	207.885	173.897	223.444	216.137	81.509	490.806	330.958	67.022	81.648	30.347	148.832	422.84	TOTAL
MEAN	6.71	6.20	7.21	7.30	2.63	16.4	10.7	2.16	2.72	0.978	4.96	13.6	MEAN
MAX	13.8	12.2	14.9	16.3	15.3	28.2	21.6	12.2	13.9	8.85	10.1	20.4	MAX
MIN	0.396	0.396	0.396	0.396	0.340	0.028	0.340	0.142	0.481	0.396	0.425	5.56	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.78
MAXIMUM DAILY, 28.2 ON JUN 6
MINIMUM DAILY, 0.028 ON JUN 18

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 11 57 N
LONG 115 30 08 W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	18 000	JUL	28 600
FEB	15 000	AUG	5 790
MAR	19 300	SEP	7 050
APR	18 700	OCT	2 620
MAY	7 040	NOV	12 900
JUN	42 400	DEC	36 500

TOTAL DISCHARGE, 214 000 dam³

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED SINCE 1942

CASCADE RIVER ABOVE LAKE MINNEWANKA - STATION NO. 05BD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	2.45E	57.4	18.1	10.5	6.80E	4.34	3.60	---	1
2	---	---	---	---	2.64E	53.6	17.7	10.2	5.54A	4.26	3.85	---	2
3	---	---	---	---	2.58E	39.9	16.6	10.0	5.42	4.18	3.84A	---	3
4	---	---	---	---	2.48E	30.2	14.1	10.0	5.53	4.18	---	---	4
5	---	---	---	---	2.52E	28.6	12.7	10.3	5.66	4.25	---	---	5
6	---	---	---	---	2.58A	27.5	11.8	10.1	5.38	4.87	---	---	6
7	---	---	---	---	2.78	31.8	11.8	9.56	5.18	5.08	---	---	7
8	---	---	---	---	2.97	32.2	11.8	9.34	5.04	5.08	---	---	8
9	---	---	---	---	2.96	28.5	12.3	9.28	4.94	5.04	---	---	9
10	---	---	---	---	2.87	27.6	12.3	8.90	4.95	4.86	---	---	10
11	---	---	---	---	2.78	29.5	11.8	8.83	4.98	4.62	---	---	11
12	---	---	---	---	2.71	24.1	11.4	9.28	4.76	4.53	---	---	12
13	---	---	---	---	2.71	20.8	10.7	10.2	4.65	4.43	---	---	13
14	---	---	---	---	2.61	20.8	10.3	9.53	4.48	4.36	---	---	14
15	---	---	---	---	2.55	27.0	11.1	9.28	4.42	4.31	---	---	15
16	---	---	---	---	2.63	21.8	11.1	8.67	4.44	4.31	---	---	16
17	---	---	---	---	2.78	20.8	15.2	8.38	4.69	4.32	---	---	17
18	---	---	---	---	3.24	25.0	15.5	8.23	4.51	4.26	---	---	18
19	---	---	---	---	4.25	25.0	19.6	8.12A	4.41	4.24	---	---	19
20	---	---	---	---	6.23	21.1	22.5	7.71E	4.40	4.19	---	---	20
21	---	---	---	---	8.24	17.3	21.2	7.05E	4.30	4.17	---	---	21
22	---	---	---	---	7.53	15.0	18.6	6.80E	4.23	4.11	---	---	22
23	---	---	---	---	7.12	16.5	16.8	6.78E	4.18	4.02	---	---	23
24	---	---	---	---	7.61	21.8	14.9	6.40E	4.12	4.00	---	---	24
25	---	---	---	---	12.5	21.4	13.5	6.63A	4.55	3.98	---	---	25
26	---	---	---	---	33.7	18.6	13.8	5.50E	4.80	3.93	---	---	26
27	---	---	---	---	65.7	17.0	14.1	5.35E	4.65	4.26	---	---	27
28	---	---	---	---	74.4	16.4	13.4	5.35E	4.50	4.11	---	---	28
29	---		---	---	69.7	21.3	12.8	5.70E	4.40	3.94	---	---	29
30	---		---	---	65.1	21.3	11.7	5.10E	4.35	4.01	---	---	30
31	---		---		80.2		10.8	5.00E		3.78		---	31
TOTAL	---	---	---	---	470.98	784.9	440.1	253.18	143.25	133.80	---	---	TOTAL
MEAN	---	---	---	---	15.2	26.2	14.2	8.17	4.78	4.32	---	---	MEAN
MAX	---	---	---	---	74.4	57.4	22.5	10.5	5.80	5.08	---	---	MAX
MIN	---	---	---	---	2.45	16.0	10.3	5.35	4.12	3.78	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.1
MAXIMUM DAILY, 74.4 ON MAY 28
MINIMUM DAILY, 2.45E ON MAY 1
MAXIMUM INSTANTANEOUS,
99.3 AT 22:00 MST ON MAY 28

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 17 15 N
LONG 115 32 00 W
DRAINAGE AREA, 454 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	38 000
FEB	---	AUG	21 900
MAR	---	SEP	12 400
APR	---	OCT	11 800
MAY	40 700	NOV	---
JUN	67 800	DEC	---

TOTAL DISCHARGE, 192 000 dam³

CASTLE RIVER AT RANGER STATION - STATION NO. 05AA028

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	9.99	9.28	11.6	59.5	9.50	3.51	1.94	3.20	3.71	---	1
2	---	---	9.31	8.79	11.2	56.4	8.84	3.42	1.88	3.28	3.68	---	2
3	---	---	8.86	8.18	13.2	50.5	8.72	3.31	1.85	3.31	3.61	---	3
4	---	---	8.45	7.74	19.1	44.0	8.50	3.23	1.85	3.30	3.54	---	4
5	---	---	8.16	7.48	20.5	43.6	8.14	3.18	2.01	3.39	3.63A	---	5
6	---	---	7.84	7.29	19.5	44.2	7.59	3.14	1.89	3.68	---	---	6
7	---	---	7.73	7.37	17.8	41.6	7.15	3.03	1.86	4.30	---	---	7
8	---	---	8.49	7.89	16.9	37.1	6.85	3.00	1.83	5.45	---	---	8
9	---	---	7.86	9.01	16.9	33.1	6.63	2.98	2.10	6.31	---	---	9
10	---	---	7.50	10.7	16.9	29.7	6.33	2.85	1.85	6.83	---	---	10
11	---	---	7.13	11.4	16.6	28.1	6.21	2.80	2.03	6.67	---	---	11
12	---	---	6.75	11.0	15.8	27.2	6.02	2.75	1.89	6.49	---	---	12
13	---	---	6.47	10.3	16.4	24.4	5.76	2.68	2.07	6.26	---	---	13
14	---	---	6.12	9.77	16.2	22.5	5.46	2.62	2.06	6.04	---	---	14
15	---	---	5.84	9.26	15.1	21.9	5.21	2.51	2.10	5.77	---	---	15
16	---	---	5.67	8.87	14.2	20.3	5.13	2.48	2.09	5.46	---	---	16
17	---	---	5.45	8.38	13.6	18.4	5.23	2.43	2.13	5.26	---	---	17
18	---	---	5.17	7.82	13.4	17.5	5.02	2.36	2.36	5.06	---	---	18
19	---	---	4.96	7.55	15.2	16.8	4.78	2.31	2.34	4.87	---	---	19
20	---	---	4.86	7.43	23.0	15.7	4.59	2.28	2.32	4.71	---	---	20
21	---	---	5.00	7.83	32.1	14.3	4.47	2.22	2.34	4.56	---	---	21
22	---	---	4.93	18.1	38.4	13.1	4.55	2.18	2.30	4.42	---	---	22
23	---	---	4.77	29.8	32.7	12.3	4.57	2.13	2.30	4.25	---	---	23
24	---	---	4.83	24.8	27.1	11.5	4.37	2.10	2.36	4.11	---	---	24
25	---	5.74B	4.74	21.1	27.6	11.7	4.26	2.08	2.56	3.98	---	---	25
26	---	12.5 B	4.64	18.1	37.5	11.4	4.15	2.02	2.71	3.81	---	---	26
27	---	14.6 B	4.80	16.2	55.2	11.0	4.17	1.97	2.73	3.80	---	---	27
28	---	11.5	5.31	14.9	65.8	10.4	3.98	1.94	2.77	3.78	---	---	28
29	---		5.38	13.6	70.7	10.9	3.81	1.88	2.80	3.75	---	---	29
30	---		8.39	12.5	67.7	10.2	3.68	2.03	2.86	3.85	---	---	30
31	---		9.75		63.9		3.58	1.99		4.00		---	31
TOTAL	---	---	206.25	350.44	841.8	769.7	177.40	79.42	66.59	144.04	---	---	TOTAL
MEAN	---	---	6.65	11.7	27.2	25.7	5.72	2.56	2.22	4.65	---	---	MEAN
MAX	---	---	9.99	29.8	70.7	59.5	9.50	3.51	2.86	6.83	---	---	MAX
MIN	---	---	4.64	7.28	11.2	10.2	3.58	1.89	1.85	3.20	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.8
MAXIMUM DAILY, 70.7 ON MAY 29
MINIMUM DAILY, 1.85 ON SEP 3
MAXIMUM INSTANTANEOUS,
73.2 AT 07:40 MST ON MAY 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 23 55 N
LONG 114 20 20 W
DRAINAGE AREA, 376 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	15 300
FEB	---	AUG	6 880
MAR	17 800	SEP	5 750
APR	30 300	OCT	12 400
MAY	72 700	NOV	---
JUN	66 500	DEC	---

TOTAL DISCHARGE, 228 000 dam³

CASTLE RIVER NEAR BEAVER MINES - STATION NO. 05AA022

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.40B	4.60B	25.9 B	20.4	21.3	89.1	13.5	5.26	3.16	7.48	6.44	7.70B	1
2	4.00B	4.71B	24.8 B	18.7	20.4	84.7	12.7	5.14	2.97	7.67	6.32	7.00B	2
3	3.40B	4.44B	22.5 B	16.8	25.3	75.2	12.5	4.97	2.89	7.05	6.20	6.50B	3
4	3.05B	4.43B	20.4	16.2	39.1	65.7	12.1	4.85	2.93	7.23	6.15	6.00B	4
5	3.15B	4.04B	18.8	15.5	44.0	65.0	11.8	4.78	3.42	7.67	6.51	5.65B	5
6	3.30B	4.20B	17.2	15.1	41.4	67.3	11.0	4.71	3.28	8.80	6.39	5.40B	6
7	3.40B	3.64B	16.8	15.5	36.8	84.8	10.3	4.62	3.06	10.2	6.10	5.25B	7
8	3.53B	3.60B	19.3	16.2	33.8	57.0	9.89	4.42	3.10	12.0	5.05B	5.05B	8
9	3.75B	3.66B	17.3	19.1	32.8	50.9	9.74	4.47	3.82	12.4	4.00B	4.95B	9
10	3.85B	3.52B	15.8	22.2	32.4	46.1	9.26	4.30	3.58	12.8	3.75B	4.95B	10
11	4.00B	3.48B	14.9	23.0	31.0	44.3	8.92	4.21	3.58	12.1	3.85B	4.95B	11
12	4.10B	3.44B	14.1	20.7	28.9	42.4	8.75	4.17	3.57	11.4	4.00B	4.95B	12
13	4.05B	3.40B	13.4	19.2	30.3	38.9	8.58	4.12	3.67	10.8	4.85B	5.00B	13
14	4.00B	3.38B	12.8	18.2	29.8	33.4	8.10	3.92	3.75	10.4	8.92B	5.00B	14
15	3.90B	3.32B	12.2	17.3	27.6	34.2	7.76	3.78	3.78	9.88	8.95B	5.02B	15
16	3.80B	3.28B	11.8	17.1	26.0	30.7	7.57	3.70	3.85	9.38	9.00B	5.03B	16
17	3.75B	3.24B	11.3	16.2	24.8	27.4	7.75	3.83	3.89	8.81	8.95B	5.10B	17
18	3.75B	3.22B	10.6	15.3	24.5	27.2	7.88	3.53	4.68	8.61	8.85B	5.20B	18
19	3.85B	3.20B	10.4	14.5	28.9	25.8	7.22	3.43	5.05	8.26	8.75B	5.35B	19
20	3.95B	3.18B	10.1	14.8	44.7	23.1	6.91	3.38	4.96	7.94	8.65B	5.45B	20
21	4.05B	3.16B	10.7	17.2	66.8	20.7	6.71	3.34	4.83	7.66	8.45B	5.50B	21
22	4.20B	3.14B	11.1	38.1	75.9	18.7	6.62	3.28	4.70	7.40	8.35B	5.55B	22
23	4.40B	3.12B	10.5	61.3	59.8	17.7	6.91	3.18	4.68	7.05	8.35B	5.60B	23
24	4.60B	4.40B	10.4	47.8	48.5	17.7	6.84	3.11	4.78	6.83	9.00B	5.60B	24
25	4.98B	22.0 B	10.1	39.6	49.8	17.3	6.55	3.17	5.33	6.80	18.2 B	5.55B	25
26	5.38B	35.7 B	9.78	34.2	70.1	16.8	6.48	3.06	5.37	6.40	15.0 B	5.40B	26
27	5.38B	35.7 B	10.8	30.6	85.0	15.8	6.23	2.94	6.33	6.58	12.0 B	5.20B	27
28	4.87B	26.5 B	15.3	28.2	109	14.9	6.03	2.85	8.04	6.76	10.3 B	4.85B	28
29	4.61B		19.9	26.3	111	15.6	5.76	2.81	5.83	6.82	9.20B	4.60B	29
30	4.54B		22.5	23.2	103	14.7	5.57	3.12	6.07	6.74	8.60B	4.30B	30
31	4.62B		24.3		97.1		5.40	3.32		6.84		4.10B	31
TOTAL	126.68	207.58	475.88	697.0	1 509.8	1 180.9	261.11	119.48	128.06	265.58	248.04	185.75	TOTAL
MEAN	4.09	7.41	15.4	23.2	48.7	39.7	8.42	3.85	4.27	8.80	8.17	5.35	MEAN
MAX	5.38	35.7	25.9	61.3	111	89.1	13.5	5.26	8.37	12.8	18.2	7.70	MAX
MIN	3.05	3.12	9.78	14.5	20.4	14.7	5.40	2.81	2.89	6.40	3.75	4.10	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 14.7
MAXIMUM DAILY, 111 ON MAY 29
MINIMUM DAILY, 2.81 ON AUG 28
MAXIMUM INSTANTANEOUS,
118 AT 02:10 MST ON MAY 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 29 20 N
LONG 114 08 40 W
DRAINAGE AREA, 826 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	10 900	JUL	22 500
FEB	17 900	AUG	10 300
MAR	41 100	SEP	11 100
APR	60 200	OCT	23 000
MAY	130 000	NOV	21 200
JUN	100 000	DEC	14 300

TOTAL DISCHARGE, 463 000 dam³

CATARACT CREEK NEAR FORESTRY ROAD - STATION NO. 05BL022

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.400B	0.311B	0.545	0.484B	0.930	19.7	2.45	1.15	0.831	1.13	0.925B	0.520B	1
2	0.398B	0.305B	0.546	0.425B	1.05	17.7	2.31	1.12	0.766	1.10	0.971	0.520B	2
3	0.398B	0.304B	0.485B	0.444B	1.57	14.7	2.49	1.07	0.736	1.05	0.941	0.510B	3
4	0.393B	0.293B	0.448B	0.456B	2.29	11.9	2.51	1.04	0.731	1.14	0.923	0.490B	4
5	0.400B	0.302B	0.440B	0.436	1.98	10.5	2.32	1.05	0.788	1.33	0.900	0.480B	5
6	0.383B	0.310B	0.433B	0.494B	1.86	10.1	2.06	1.02	0.766	1.64	0.880	0.480B	6
7	0.380B	0.303B	0.427	0.583B	1.86	9.91	1.93	0.938	0.756	1.87	0.770B	0.500B	7
8	0.391B	0.294B	0.413B	0.718B	2.02	9.58	1.86	0.903	0.765	1.95	0.718B	0.480B	8
9	0.401B	0.289B	0.440B	0.852B	2.18	8.95	1.84	0.911	0.888	1.88	0.700B	0.470B	9
10	0.410B	0.278B	0.413B	0.914	2.31	8.21	1.74	0.857	0.831	1.80	0.690B	0.500B	10
11	0.411B	0.274B	0.413B	0.826B	2.25	7.79	1.63	0.979	0.862	1.64	0.700B	0.490B	11
12	0.406B	0.271B	0.410B	0.752B	2.27	7.03	1.58	0.963	0.864	1.55	0.730B	0.480B	12
13	0.400B	0.268B	0.399B	0.718B	2.37	6.16	1.49	0.952	0.826	1.48	0.780B	0.470B	13
14	0.397B	0.260B	0.406B	0.625B	2.32	5.84	1.41	0.851	0.815	1.43	0.834B	0.460B	14
15	0.392B	0.265B	0.433B	0.569B	2.27	5.39	1.40	0.780	0.820	1.37	0.854B	0.450B	15
16	0.388B	0.265B	0.381	0.546	2.38	5.48	1.44	0.757	0.818	1.31	0.829B	0.441B	16
17	0.382B	0.264B	0.395B	0.551B	2.77	4.94	2.07	0.726	0.804	1.27	0.824	0.493B	17
18	0.377B	0.266B	0.381B	0.546B	3.63	4.92	1.74	0.699	0.806	1.22	0.799	0.481B	18
19	0.382B	0.267B	0.394	0.557	5.79	4.66	1.58	0.690	0.794	1.17	0.707	0.470B	19
20	0.377B	0.267B	0.381B	0.712	9.55	4.21	1.47	0.690	0.791	1.16	0.634	0.460B	20
21	0.370B	0.267B	0.378B	1.06	15.3	3.83	1.41	0.670	0.786	1.13	0.629	0.450B	21
22	0.360B	0.266B	0.399B	2.26	12.9	3.55	1.35	0.657	0.774	1.09	0.611	0.440B	22
23	0.358B	0.265B	0.381B	2.26 B	9.42	3.41	1.33	0.643	0.768	1.06	0.607	0.428B	23
24	0.346B	0.267B	0.372	1.86 B	8.94	3.40	1.29	0.643	0.770	1.04	0.650B	0.402B	24
25	0.347B	0.526B	0.354B	1.39 B	12.2	3.30	1.30	0.638	0.923	1.02	0.660B	0.387B	25
26	0.354B	0.512	0.403B	1.24	18.3	3.13	1.53	0.627	0.998	1.04	0.643B	0.382B	26
27	0.338B	0.491	0.418	1.18	22.7	2.94	1.73	0.611	0.980	1.18	0.538B	0.376B	27
28	0.330B	0.530	0.610	1.06	24.4	2.89	1.43	0.606	0.966	1.12	0.529B	0.371B	28
29	0.319B		0.710	0.936B	24.4	2.95	1.37	0.598	0.968	1.01	0.520B	0.368B	29
30	0.315B		0.565	0.984B	23.6	2.68	1.27	0.915	1.03	1.02	0.520B	0.358B	30
31	0.313B		0.538B		21.5		1.21	1.08		0.921		0.369B	31
TOTAL	11.616	8.798	13.711	26.288	247.310	210.75	52.64	25.834	25.031	40.121	21.986	13.958	TOTAL
MEAN	0.375	0.314	0.442	0.876	7.98	7.03	1.70	0.833	0.834	1.28	0.733	0.450	MEAN
MAX	0.411	0.530	0.710	2.26	24.4	19.7	2.51	1.15	1.03	1.95	0.971	0.520	MAX
MIN	0.313	0.260	0.354	0.425	0.930	2.68	1.21	0.598	0.731	0.921	0.520	0.358	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.91
MAXIMUM DAILY, 24.4 ON MAY 28
MINIMUM DAILY, 0.260B ON FEB 14
MAXIMUM INSTANTANEOUS,
28.7 AT 19:39 MST ON MAY 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 17 04 N
LONG 114 35 25 W
DRAINAGE AREA, 166 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 000	JUL	4 550
FEB	760	AUG	2 230
MAR	1 180	SEP	2 160
APR	2 270	OCT	3 470
MAY	21 400	NOV	1 900
JUN	18 200	DEC	1 210

TOTAL DISCHARGE, 80 300 dam³

CAVAN LAKE DIVERSION NEAR DUNMORE - STATION NO. 05AH04A

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0.002B	0.404	0.045	0.006	0.005	0	0	0	0.135	0.040B	---	1
2	---	0.002B	0.655	0.038	0.003	0	0	0	0	0.109	0.041	---	2
3	---	0.002B	0.428	0.026	0	0	0	0	0	0.122	0.043	---	3
4	---	0.003B	0.340	0.026	0.007	0	0	0	0	0.111	0.046	---	4
5	---	0.002B	0.252	0.022	0.042	0	0	0	0	0.086	0.056	---	5
6	---	0 B	0.238	0.018	0.203	0	0	0	0	0.068	0.070A	---	6
7	---	0 B	0.116	0.015	0.245	0	0	0	0	0.059	---	---	7
8	---	0 B	0.087	0.011	0.170	0	0	0	0	0.051	---	---	8
9	---	0 B	0.078	0.008	0.140	0	0	0	0	0.040	---	---	9
10	---	0 B	0.108	0.004	0.133	0	0	0	0	0.057	---	---	10
11	---	0 B	0.105	0	0.117	0	0	0	0	0.068	---	---	11
12	---	0 B	0.080	0.001	0.108	0	0	0	0	0.060	---	---	12
13	---	0 B	0.078	0.010	0.088	0	0	0	0	0.059	---	---	13
14	---	0 B	0.068	0.002	0.078	0	0	0	0	0.055	---	---	14
15	---	0 B	0.087	0.002	0.123	0.004	0	0	0	0.046	---	---	15
16	---	0 B	0.063	0	0.176	0.005	0	0	0	0.041	---	---	16
17	---	0 B	0.072	0.004	0.220	0.004	0	0	0	0.033	---	---	17
18	---	0 B	0.065	0.008	0.724	0.003	0	0	0	0.028	---	---	18
19	---	0 B	0.048	0.007	1.39	0	0	0	0	0.024	---	---	19
20	---	0 B	0.058	0.004	1.13	0	0	0	0	0.021	---	---	20
21	---	0 B	0.084	0.006	0.708	0	0	0	0	0.018	---	---	21
22	---	0 B	0.064	0.003	0.589	0	0	0	0	0.020	---	---	22
23	---	0 B	0.073	0.011	0.844	0	0	0	0	0.015	---	---	23
24	---	0 B	0.083	0.012	0.861	0	0	0	0	0.014	---	---	24
25	---	1.16 B	0.077	0.038	0.470	0	0	0	0.265	0.016	---	---	25
26	---	2.78	0.082	0.048	0.284	0	0	0	3.10	0.023	---	---	26
27	---	0.742	0.064	0.040	0.204	0	0	0	1.60	0.013	---	---	27
28	---	0.149	0.041	0.032	0.153	0	0	0	0.450	0.021	---	---	28
29	0.002B		0.038	0.019	0.114	0	0	0	0.216	0.019	---	---	29
30	0.002B		0.038	0.012	0.077	0	0	0	0.158	0.025	---	---	30
31	0.002B		0.042		0.038		0	0		0.030B		---	31
TOTAL	---	4.822	4.048	0.477	8.554	0.021	0	0	5.789	1.485	---	---	TOTAL
MEAN	---	0.172	0.131	0.015	0.308	0.001	0	0	0.193	0.048	---	---	MEAN
MAX	---	2.78	0.655	0.048	1.39	0.005	0	0	3.10	0.135	---	---	MAX
MIN	---	0	0.036	0	0	0	0	0	0	0.013	---	---	MIN

SUMMARY FOR THE MONTHS FEB TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.098
MAXIMUM DAILY, 3.10 ON SEP 26
MINIMUM DAILY, 0B ON FEB 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 50 N
LONG 110 28 50 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	417	AUG	0
MAR	350	SEP	500
APR	41.2	OCT	128
MAY	825	NOV	---
JUN	1.81	DEC	---

TOTAL DISCHARGE, 2 260 dam³

CAVAN LAKE NEAR DUNMORE - STATION NO. 05AH048

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	807.687	808.031	808.256	808.159	808.807	808.276	807.633	807.182	807.848	807.880	---	1
2	---	807.691	808.085	808.247	808.167	808.786	808.273	807.606	807.187	807.859	807.884	---	2
3	---	807.689	808.115	808.257	808.184	808.747	808.230	807.563	807.183	807.874	807.888	---	3
4	---	807.688	808.140	808.261	808.180	808.707	808.183	807.513	807.177	807.874	807.885	---	4
5	---	807.686	808.160	808.251	808.184	808.687	808.135	807.463	807.190	807.885	807.888	---	5
6	---	807.682	808.161	808.247	808.196	808.685	808.100	807.425	807.193	807.888	807.894A	---	6
7	---	807.681	808.180	808.240	808.206	808.662	808.070	807.417	807.191	807.886	---	---	7
8	---	807.678	808.195	808.248	808.213	808.627	808.061	807.409	807.188	807.888	---	---	8
9	---	807.674	808.198	808.237	808.223	808.587	808.050	807.407	807.191	807.895	---	---	9
10	---	807.673	808.204	808.224	808.239	808.587	808.056	807.404	807.200	807.886	---	---	10
11	---	807.674	808.212	808.210	808.247	808.546	808.038	807.402	807.199	807.890	---	---	11
12	---	807.672	808.222	808.187	808.261	808.531	807.998	807.393	807.190	807.889	---	---	12
13	---	807.671	808.224	808.203	808.273	808.525	807.954	807.387	807.188	807.890	---	---	13
14	---	807.669	808.228	808.203	808.263	808.519	807.911	807.383	807.189	807.894	---	---	14
15	---	807.666	808.229	808.211	808.267	808.528	807.866	807.370	807.190	807.895	---	---	15
16	---	807.664	808.229	808.203	808.286	808.522	807.834	807.384	807.193	807.899	---	---	16
17	---	807.663	808.242	808.201	808.299	808.524	807.847	807.363	807.200	807.896	---	---	17
18	---	807.657	808.251	808.195	808.314	808.516	807.822	807.351	807.202	807.892	---	---	18
19	---	807.657	808.253	808.193	808.378	808.507	807.818	807.334	807.209	807.888	---	---	19
20	---	807.658	808.259	808.193	808.477	808.495	807.816	807.328	807.215	807.897	---	---	20
21	---	807.656	808.270	808.191	808.548	808.485	807.815	807.324	807.225	807.893	---	---	21
22	---	807.660	808.254	808.185	808.598	808.481	807.805	807.321	807.227	807.888	---	---	22
23	---	807.661	808.259	808.178	808.650	808.474	807.799	807.321	807.231	807.890	---	---	23
24	---	807.673	808.255	808.186	808.716	808.451	807.794	807.310	807.226	807.888	---	---	24
25	---	807.700	808.261	808.184	808.771	808.401	807.786	807.300	807.324	807.887	---	---	25
26	---	807.839	808.275	808.179	808.805	808.359	807.783	807.296	807.429	807.886	---	---	26
27	---	807.989	808.279	808.180	808.811	808.320	807.783	807.289	807.644	807.879	---	---	27
28	---	808.023	808.269	808.181	808.812	808.285	807.777	807.264	807.763	807.870	---	---	28
29	807.676A		808.264	808.171	808.814	808.270	807.742	807.234	807.811	807.864	---	---	29
30	807.680		808.261	808.164	808.815	808.275	807.701	807.199	807.834	807.868	---	---	30
31	807.683		808.259		808.806		807.662	807.190		807.879		---	31
MEAN	---	807.703	808.216	808.209	808.423	808.530	807.929	807.373	807.286	807.884	---	---	MEAN
MAX	---	808.023	808.279	808.261	808.815	808.807	808.276	807.633	807.834	807.899	---	---	MAX
MIN	---	807.656	808.031	808.164	808.159	808.270	807.662	807.190	807.177	807.848	---	---	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

A - MANUAL GAUGE

MAXIMUM DAILY, 808.815 ON MAY 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 56 38 N
LONG 110 23 58 W

MAXIMUM INSTANTANEOUS,
808.822 AT 19:26 MST ON MAY 30

REGULATED

DRAINAGE AREA,
11.4 km²

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

CHAIN LAKES RESERVOIR NEAR NANTON - STATION NO. 05AB037

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	1297.098A	1297.115	1297.218	1297.106	1296.937	1296.605	1296.897	1297.079	---	1
2	---	---	---	---	1297.113	1297.206	1297.098	1296.927	1296.600	1296.931	1297.083	---	2
3	---	---	---	---	1297.116	1297.195	1297.089	1296.917	1296.587	1296.983	1297.081	---	3
4	---	---	---	---	1297.135	1297.183	1297.082	1296.905	1296.582	1296.998	1297.078	---	4
5	---	---	---	---	1297.185	1297.185	1297.080	1296.900	1296.586	1297.036	1297.074A	---	5
6	---	---	1296.727A	---	1297.186	1297.187	1297.083	1296.891	1296.579	1297.070	---	---	6
7	---	---	---	---	1297.191	1297.190	1297.081	1296.882	1296.573	1297.100	---	---	7
8	---	---	---	---	1297.192	1297.207	1297.083	1296.875	1296.572	1297.123	---	---	8
9	---	---	---	---	1297.192	1297.218	1297.083	1296.858	1296.575	1297.143	---	---	9
10	---	---	---	---	1297.197	1297.208	1297.078	1296.848	1296.575	1297.152	---	---	10
11	---	---	---	---	1297.206	1297.196	1297.074	1296.841	1296.582	1297.147	---	---	11
12	---	---	---	---	1297.207	1297.182	1297.068	1296.832	1296.590	1297.147	---	---	12
13	---	---	---	---	1297.199	1297.173	1297.064	1296.823	1296.592	1297.143	---	---	13
14	---	---	---	---	1297.203	1297.169	1297.060	1296.812	1296.596	1297.137	---	---	14
15	---	---	---	---	1297.197	1297.164	1297.058	1296.800	1296.599	1297.131	---	---	15
16	---	---	---	---	1297.188	1297.155	1297.061	1296.782	1296.607	1297.126	---	---	16
17	---	---	---	---	1297.203	1297.149	1297.087	1296.788	1296.614	1297.121	---	---	17
18	---	---	---	---	1297.205	1297.143	1297.086	1296.754	1296.625	1297.118	---	---	18
19	---	---	---	---	1297.206	1297.136	1297.082	1296.739	1296.635	1297.111	---	---	19
20	---	---	---	---	1297.213	1297.129	1297.081	1296.720	1296.646	1297.107	---	---	20
21	---	---	---	---	1297.244	1297.123	1297.073	1296.710	1296.656	1297.103	---	---	21
22	---	---	---	---	1297.276	1297.118	1297.087	1296.692	1296.663	1297.098	---	---	22
23	---	---	---	---	1297.285	1297.115	1297.083	1296.679	1296.687	1297.095	---	---	23
24	---	---	---	---	1297.273	1297.112	1297.048	1296.667	1296.675	1297.093	---	---	24
25	---	---	---	---	1297.256	1297.107	1297.032	1296.654	1296.712	1297.091	---	---	25
26	---	---	---	---	1297.251	1297.103	1297.028	1296.641	1296.787	1297.090	---	---	26
27	---	---	---	---	1297.254	1297.100	1297.016	1296.631	1296.798	1297.090	---	---	27
28	---	---	---	---	1297.254	1297.099	1296.997	1296.620	1296.823	1297.085	---	---	28
29	---		---	1297.132A	1297.251	1297.115	1296.982	1296.607	1296.844	1297.078	---	---	29
30	---		---	1297.122	1297.243	1297.113	1296.861	1296.607	1296.886	1297.087	---	---	30
31	---		---		1297.227		1296.949	1296.614		1297.088		---	31
MEAN	---	---	---	---	1297.208	1297.157	1297.058	1296.772	1296.646	1297.087	---	---	MEAN
MAX	---	---	---	---	1297.285	1297.218	1297.106	1296.937	1296.866	1297.152	---	---	MAX
MIN	---	---	---	---	1297.113	1297.099	1296.949	1296.607	1296.572	1296.897	---	---	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

A - MANUAL GAUGE

MAXIMUM DAILY, 1297.285 ON MAY 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 37 N
LONG 114 11 55 W

MAXIMUM INSTANTANEOUS,
1297.289 AT 10:05 MST ON MAY 23

REGULATED

DRAINAGE AREA,
187 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

CHENAL DES QUATRE FOURCHES AT QUATRE FOURCHES - STATION NO. 07KF001

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	209.486	---	209.176	---	---	1
2	---	---	---	---	---	---	---	209.475	---	209.083	---	---	2
3	---	---	---	---	---	209.204	---	209.523	---	209.103	---	---	3
4	---	---	---	---	---	209.185	---	209.493	---	209.110	---	---	4
5	---	---	---	---	---	209.182	---	209.456	---	209.145	---	---	5
6	---	---	---	---	---	209.178	---	209.484	---	208.995	---	---	6
7	---	---	---	---	---	209.192	---	209.477	---	209.002	---	---	7
8	---	---	---	---	---	209.272	---	209.536	---	209.034	---	---	8
9	---	---	---	---	---	209.367	---	209.484	---	---	---	---	9
10	---	---	---	---	---	209.180	---	209.500	---	---	---	---	10
11	---	---	---	---	---	209.202	---	209.482	---	---	---	---	11
12	---	---	---	---	---	209.186	---	209.435	---	---	---	---	12
13	---	---	---	---	---	209.084	---	209.469	---	---	---	---	13
14	---	---	---	---	---	209.187	---	209.270	---	---	---	---	14
15	---	---	---	---	---	209.286	---	209.516	---	---	---	---	15
16	---	---	---	---	---	209.273	---	209.490	209.264	---	---	---	16
17	---	---	---	---	---	209.232	---	209.508	209.266	---	---	---	17
18	---	---	---	---	---	209.271	209.318	209.481	209.220	---	---	---	18
19	---	---	---	---	---	209.290	209.366	209.436	209.241	---	---	---	19
20	---	---	---	---	---	---	209.217	209.416	209.274	---	---	---	20
21	---	---	---	---	---	---	209.320	209.408	209.211	---	---	---	21
22	---	---	---	---	---	---	209.415	209.392	209.234	---	---	---	22
23	---	---	---	---	---	---	209.346	209.406	209.284	---	---	---	23
24	---	---	---	---	---	---	209.364	209.451	209.266	---	---	---	24
25	---	---	---	---	---	---	209.415	209.490	209.298	---	---	---	25
26	---	---	---	---	---	---	209.470	209.486	209.335	---	---	---	26
27	---	---	---	---	---	---	209.405	---	209.242	---	---	---	27
28	---	---	---	---	---	---	209.484	---	209.183	---	---	---	28
29	---		---	---	---	---	209.517	---	209.141	---	---	---	29
30	---		---	---	---	---	209.471	---	209.147	---	---	---	30
31	---		---	---	---		209.481	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 38 50 N
LONG 111 17 20 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

CHINCHAGA RIVER NEAR HIGH LEVEL - STATION NO. 07OC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.76 B	0.6300	0.6900	0.3780	75.0A	36.0	0.22	17.0	6.02	2.22	3.060	2.13 B	1
2	1.71 B	0.7600	0.6300	0.3740	77.0	34.6	11.0	16.0	6.02	2.21	4.100	2.00 B	2
3	1.69 B	0.7650	0.6070	0.4060	76.4	32.2	11.1	15.6	5.95	2.26	4.370	1.98 B	3
4	1.61 B	0.7740	0.5700	0.4085	76.8	30.4	11.0	15.2	6.03	2.24	4.270	2.17 B	4
5	1.45 B	0.7600	0.5350	0.4290	80.8	28.7	10.8	15.1	4.87	2.27	4.650	1.89 B	5
6	1.45 B	0.7800	0.5320	0.4600	81.3	26.5	11.1	17.8	4.72	2.61	4.520	1.70 B	6
7	1.45 B	0.7740	0.5700	0.5250	87.8	24.4	11.5	15.8	4.44	3.30	4.100	1.54 B	7
8	1.40 B	0.7560	0.6400	0.6350	97.0	22.6	10.9	14.2	4.11	4.62	3.450	1.46 B	8
9	1.38 B	0.8060	0.6970	3.01 B	106	20.2	10.3	13.6	3.82	5.89	2.620	1.27 B	9
10	1.50 B	0.8420	0.6900	3.09 B	114	18.5	10.3	12.3	3.59	6.06	2.000	1.21 B	10
11	1.67 B	0.8540	0.6830	2.88 B	116	16.5	10.6	10.9	3.27	6.16	2.760	1.20 B	11
12	1.62 B	0.8720	0.6760	2.67 B	123	15.0	17.9	9.74	3.25	6.26	2.610	1.18 B	12
13	1.64 B	0.8660	0.6270	2.40 B	127	13.7	27.4	8.67	3.09	6.41	2.590	1.10 B	13
14	1.68 B	0.8760	0.6270	2.61 B	130	12.5	27.1	8.02	2.92	6.54	2.550	0.9980	14
15	1.67 B	0.8760	0.6700	2.77 B	131	11.1	29.3	6.69	2.71	6.64	2.720	0.9680	15
16	1.71 B	0.8850	0.6210	3.20 B	129	10.2	26.7	6.08	2.62	7.01	2.580	1.04 B	16
17	1.72 B	0.8330	0.5210	3.43 B	119	9.19	26.7	7.67	2.69	7.77	2.550	1.07 B	17
18	1.55 B	0.8260	0.5240	3.20 B	106	8.51	45.0	7.10	2.28	8.06	2.350	1.24 B	18
19	1.41 B	0.8220	0.5220	3.45 B	93.6	7.84	43.7	6.74	2.23	9.09	1.900	1.36 B	19
20	1.23 B	0.7920	0.5120	3.01 B	83.4	10.6	65.7	6.36	2.17	9.36	1.670	1.29 B	20
21	1.10 B	0.7730	0.5420	10.9 B	75.7	18.6	58.7	5.89	2.09	9.13	1.670	1.05 B	21
22	1.04 B	0.8410	0.5710	23.5 B	69.1	31.2	52.7	5.35	2.02	8.75	1.920	1.01 B	22
23	0.9760	0.8240	0.5820	21.8 B	64.0	23.6	44.1	5.02	1.97	8.15	2.210	1.33 B	23
24	0.8780	0.8530	0.5800	23.4 B	59.8	18.6	37.6	4.83	1.98	7.86	2.360	1.56 B	24
25	0.8790	0.8560	0.5800	29.0 B	54.9	16.2	32.0	4.65	2.11	7.47	2.340	1.64 B	25
26	0.8220	0.8160	0.5430	36.0 E	49.3	13.2	27.9	4.67	2.24	7.21	2.470	1.61 B	26
27	1.10 B	0.8380	0.5900	52.0 E	45.5	12.4	24.5	4.74	2.28	7.16	2.980	1.40 B	27
28	1.15 B	0.7580	0.4560	72.0 E	42.0	11.7	22.1	4.65	2.28	6.969	3.210	1.47 B	28
29	1.13 B		0.4020	90.0 E	39.9	10.5	20.6	7.38	2.27	3.769	2.940	1.52 B	29
30	1.01 B		0.3970	92.0 E	39.3	9.43	19.0	7.03	2.26	4.169	2.430	1.23 B	30
31	0.9140		0.3940		39.8		18.4	6.50		3.209		0.9959	31
TOTAL	41.861	23.612	17.632	501.726	2 909.4	554.77	629.92	306.27	86.38	179.65	87.80	42.601	TOTAL
MEAN	1.35	0.839	0.569	16.7	94.2	18.5	20.3	9.84	2.21	5.79	2.93	1.40	MEAN
MAX	1.76	0.956	0.699	92.0	131	36.9	65.7	19.2	6.02	9.36	4.65	2.13	MAX
MIN	0.822	0.756	0.394	0.374	36.8	7.84	0.22	4.74	1.97	2.21	1.65	0.966	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 19.5
MAXIMUM DAILY, 131 ON MAY 15
MINIMUM DAILY, 0.3740 ON APR 2
MAXIMUM INSTANTANEOUS,
131 AT 06:00 MST ON MAY 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 35 46 N
LONG 118 20 00 W
DRAINAGE AREA, 10 400 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	3 620	JUL	71 700
FEB	2 020	AUG	26 800
MAR	1 520	SEP	8 330
APR	43 300	OCT	15 500
MAY	225 000	NOV	7 570
JUN	47 900	DEC	3 750

TOTAL DISCHARGE, 487 000 dam³

CHIP LAKE AT OUTLET TO LOBSTICK RIVER - STATION NO. 07EB003

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	786.356	786.236	---	---	---	---	---	1
2	---	---	---	786.190	786.330	---	---	---	---	---	---	---	2
3	---	---	---	---	---	786.318	786.291	---	---	---	---	---	3
4	---	---	---	---	786.378	---	---	---	---	---	---	---	4
5	---	---	---	---	---	786.288	786.246	---	---	---	786.497	---	5
6	---	---	---	---	786.361	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	786.234	---	---	---	---	---	7
8	---	---	---	---	786.320	786.283	---	---	---	---	---	---	8
9	---	---	---	---	---	---	786.253	---	---	---	---	---	9
10	---	---	---	---	786.418	786.282	---	---	---	---	---	---	10
11	---	---	786.091	---	---	786.438	786.245	---	---	---	---	---	11
12	---	---	---	---	786.369	786.265	---	---	---	---	---	---	12
13	---	---	---	---	---	---	786.280	---	---	---	---	---	13
14	---	---	---	---	786.438	---	---	786.680	---	---	---	---	14
15	---	---	---	---	---	---	786.304	---	---	---	---	---	15
16	---	---	---	786.189	786.265	786.247	---	---	---	---	---	---	16
17	---	---	---	---	---	---	786.669	---	786.583	---	---	---	17
18	---	---	---	---	786.322	786.258	---	---	---	---	---	---	18
19	---	---	---	---	---	---	786.165	---	---	---	---	---	19
20	---	---	---	---	786.378	786.262	---	---	---	---	---	---	20
21	---	---	---	---	---	---	786.649	---	---	---	---	---	21
22	---	---	---	---	786.378	786.254	---	---	---	786.485	---	---	22
23	---	---	---	---	---	---	786.284	---	---	---	---	---	23
24	---	---	786.072	---	---	786.258	---	---	---	---	---	---	24
25	---	---	---	---	---	---	786.219	---	---	---	---	---	25
26	---	---	---	---	786.334	786.244	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	786.358	786.240	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	786.381	786.239	---	---	---	---	---	---	30
31	---		---		---		---	---	---	---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 26 54 N
LONG 115 15 33 W

NATURAL FLOW

DRAINAGE AREA
1 310 km²

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

CHRISTINA RIVER NEAR CHARD - STATION NO. 07CE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2 930	8 650	16.4	24.3	13.4	109	13.1	8.31	---	---	1
2	---	---	2 939	8 750	16.0	21.0	12.0	103	12.7	8.26	---	---	2
3	---	---	2 900	8 650	16.2	19.8	11.5	92.8	12.6	8.16	---	---	3
4	---	---	2 820	8 900	16.1	18.3	11.6	82.9	12.0	8.07	---	---	4
5	---	---	2 760	8 950	16.4	17.7	12.1	75.7	11.7	8.09	---	---	5
6	---	---	2 600	9 050	16.9	17.9	12.9	69.3	11.4	8.16	---	---	6
7	---	---	3 020	9 250	16.3	16.7	13.0	62.6	11.2	8.19	---	---	7
8	---	---	2 660	9 400	15.6	15.9	14.7	57.1	11.1	8.12	---	---	8
9	---	---	3 080	9 490	15.4	15.8	15.7	51.9	10.9	8.20	---	---	9
10	---	---	3 120	9 650	15.5	15.0	17.6	47.8	10.7	8.10	---	---	10
11	---	---	3 250	9 900	15.0	14.6	17.9	44.2	10.6	8.05	---	---	11
12	---	---	3 370	10 2 0	20.4	14.4	18.5	41.0	10.3	8.12	---	---	12
13	---	---	3 550	10 4 0	20.4	14.8	19.8	37.5	10 1	8.14	---	---	13
14	---	---	3 720	10 8 0	20.6	14.5	20.9	34.7	9.87	8.07	---	---	14
15	---	---	3 860	11 2 0	20.0	14.4	23.5	32.1	9.65	8.19	---	---	15
16	---	---	4 050	11 6 0	19.5	13.8	28.8	29.7	9.72	8.13	---	---	16
17	---	---	4 260	12 0 0	19.1	13.5	29.1	26.5	9.72	8.06	---	---	17
18	---	---	4 400	12 5 0	18.8	13.7	58.0	27.1	9.56	8.03	---	---	18
19	---	---	4 550	13 0 0	19.1	13.6	45.7	25.0	9.54	8.07	---	---	19
20	---	---	4 700	13 6 0	17.8	13.4	103	24.0	9.44	8.01	---	---	20
21	---	---	5 000	14 2 0	17.5	13.4	101	24.0	9.39	8.01	---	---	21
22	---	---	5 250	14 9 0	17.7	13.4	135	22.9	9.39	8.05	---	---	22
23	---	---	5 550	15 7 0	18.5	14.0	146	20.0E	9.18	8.02	---	---	23
24	---	---	5 900	16 6 0	23.5	14.9	152	18.0E	9.14	8.78	---	---	24
25	---	---	6 100	17 5 0	20.2	15.2	151	17.1	9.10	8.78	---	---	25
26	---	---	6 700	18 9 0	27.5	15.1	146	15.5	9.02	8.58	---	---	26
27	---	---	7 000	19 0	27.5	14.7	136	15.4	9.07	8.55	---	---	27
28	---	---	6 350	18.0	27.9	14.1	124	15.2	9.22	8.51	---	---	28
28	---		8 400	17.5	28.0	13.9	116	14.7	9.36	8.668	---	---	29
30	---		9 000	16.9	27.9	13.0	115	14.1	9.30	3.800	---	---	30
31	---		9 000		28.7		112	13.4		2 430		---	31
TOTAL	---	---	165.84	375.24	647.5	484.3	2 004.8	1 270.8	287.84	262.96	---	---	TOTAL
MEAN	---	---	4.77	12.5	20.9	16.5	64.7	41.0	10.3	8.81	---	---	MEAN
MAX	---	---	9.00	19.9	28.6	24.3	152	109	13.1	9.31	---	---	MAX
MIN	---	---	2.76	8.65	15.4	13.0	11.5	13.4	9.03	2 43	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 23.4
MAXIMUM DAILY, 152 ON JUL 24
MINIMUM DAILY, 2.438 ON OCT 31
MAXIMUM INSTANTANEOUS,
183 AT 21:01 MST ON JUL 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 5(20 0
LONG 110 53 00 W
DRAINAGE AREA, 4 960 km²

B - ICE CONDITIONS
E - ESTIMATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	173 000
FEB	---	AUG	110 000
MAR	13 900	SEP	25 000
APR	32 400	OCT	22 800
MAY	55 900	NOV	---
JUN	40 100	DEC	---

TOTAL DISCHARGE, 473 000 dam³

CHRISTMAS CREEK NEAR BLUE RIDGE - STATION NO. 07AH002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0550	0.5400	3.82	1.93	1.16	1.86	0.099	1.88	0.7050	---	1
2	---	---	0.0550	0.6230	5.80	1.70	0.903	1.82	0.080	1.74	0.848	---	2
3	---	---	0.0550	0.6200	4.83	1.54	0.891	1.62	0.093	1.71	0.856	---	3
4	---	---	0.0550	0.4200	4.83	1.34	0.833	1.33	0.084	1.73	0.757	---	4
5	---	---	0.0650	0.4270	4.38	1.14	0.849	1.03	0.111	2.18	0.8090	---	5
6	---	---	0.0630	0.7150	4.95	1.07	0.903	1.27	0.120	2.30	---	---	6
7	---	---	0.0900	1.02 B	5.13	0.942	0.881	1.17	0.113	2.05	---	---	7
8	---	---	0.0400	2.43 B	4.72	0.821	0.877	0.981	0.124	2.23	---	---	8
9	---	---	0.0250	2.57 B	4.73	0.770	0.893	0.770	0.143	2.34	---	---	9
10	---	---	0.0200	2.85 B	4.61	0.673	3.08	0.642	0.184	2.18	---	---	10
11	---	---	0.0155	3.41 B	4.83	0.715	2.73	0.542	0.200	1.85	---	---	11
12	---	---	0.0155	3.72 B	4.72	0.906	2.48	0.494	0.380	1.79	---	---	12
13	---	---	0.0155	3.27 B	4.28	0.915	2.98	0.433	0.780	1.65	---	---	13
14	---	---	0.0155	3.02 B	4.09	0.879	3.45	0.380	0.620	1.63	---	---	14
15	---	---	0.0160	3.38 B	4.00	0.841	3.74	0.303	0.520	1.42	---	---	15
16	---	---	0.0170	1.80 B	3.84	0.888	4.08	0.331	0.486	1.24	---	---	16
17	---	---	0.0185	1.68 B	3.29	1.00	5.08	0.280	0.483	1.30	---	---	17
18	---	---	0.0200	2.67 B	3.01	1.66	11.3	0.254	0.493	1.30	---	---	18
19	---	---	0.0250	4.38 B	3.84	1.38	16.2	0.225	0.436	1.13	---	---	19
20	---	---	0.0205	6.41 B	3.55	4.51	11.6	0.203	0.410	1.08	---	---	20
21	---	---	0.1250	7.03 B	3.24	4.67	7.51	0.174	0.388	1.00	---	---	21
22	---	---	0.1800	6.33	3.10	3.70	5.00	0.163	0.388	0.961	---	---	22
23	---	---	0.1700	6.27	4.70	3.00	4.23	0.161	0.384	0.933	---	---	23
24	---	---	0.0920	5.54	4.82	2.90	4.27	0.150	0.433	0.883	---	---	24
25	---	---	0.0530	5.23	4.53	3.38	3.87	0.138	0.490	0.845	---	---	25
26	---	---	0.1000	4.83	3.95	2.17	3.24	0.130	0.802	0.833	---	---	26
27	---	---	0.7010	4.60	3.43	1.86	2.74	0.119	1.43	0.838	---	---	27
28	---	---	0.8000	5.83	3.05	1.76	2.40	0.115	2.10	0.816	---	---	28
29	---		0.8050	7.48	2.78	1.67	2.50	0.100	2.06	0.787	---	---	29
30	---		0.7600	6.43	2.60	1.38	2.45	0.100	1.77	0.780	---	---	30
31	---		0.9000		2.12		2.19	0.110		0.7480		---	31
TOTAL	---	---	5.310	107.878	124.73	50.027	115.882	17.898	16.281	43.660	---	---	TOTAL
MEAN	---	---	0.172	3.60	4.03	1.67	3.73	0.568	0.543	1.42	---	---	MEAN
MAX	---	---	0.900	6.43	5.83	4.67	16.2	1.86	2.10	2.30	---	---	MAX
MIN	---	---	0.015	0.420	2.12	0.673	0.833	0.100	0.080	0.748	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.93
MAXIMUM DAILY, 16.2 ON JUL 19
MINIMUM DAILY, 0.0155 ON MAR 11
MAXIMUM INSTANTANEOUS,
17.1 AT 05:53 MST ON JUL 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 13 00 N
LONG 116 19 56 W
DRAINAGE AREA, 630 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	9 990
FEB	---	AUG	1 550
MAR	459	SEP	1 410
APR	9 300	OCT	3 770
MAY	10 800	NOV	---
JUN	4 320	DEC	---

TOTAL DISCHARGE, 41 600 dam³

CLEAR BROOK NEAR STAVELY - STATION NO. 05AC023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0	0.063	0	0	0	0	0	0	0	---	---	1
2	---	0	0.026	0	0	0	0	0	0	0	---	---	2
3	---	0	0.013	0	0	0	0	0	0	0	---	---	3
4	---	0	0.007	0	0	0	0	0	0	0	---	---	4
5	---	0	0.003	0	0	0	0	0	0	0	---	---	5
6	---	0	0.001	0	0	0	0	0	0	0	---	---	6
7	---	0	0.001	0	0	0	0	0	0	0	---	---	7
8	---	0	0.001	0	0	0	0	0	0	0	---	---	8
9	---	0	0	0	0	0	0	0	0	0	---	---	9
10	---	0	0	0	0	0	0	0	0	0	---	---	10
11	---	0	0	0	0	0	0	0	0	0	---	---	11
12	---	0	0	0	0	0	0	0	0	0	---	---	12
13	---	0	0	0	0	0	0	0	0	0	---	---	13
14	---	0	0	0	0	0	0	0	0	0	---	---	14
15	---	0	0	0	0	0	0	0	0	0	---	---	15
16	---	0	0	0	0	0	0	0	0	0	---	---	16
17	---	0	0	0	0	0	0	0	0	0	---	---	17
18	---	0	0	0	0	0	0	0	0	0	---	---	18
19	---	0	0	0	0	0	0	0	0	0	---	---	19
20	---	0	0	0	0	0	0	0	0	0	---	---	20
21	---	0	0	0	0	0	0	0	0	0	---	---	21
22	---	0	0	0	0	0	0	0	0	0	---	---	22
23	---	0	0	0	0	0	0	0	0	0	---	---	23
24	---	0	0	0	0	0	0	0	0	0	---	---	24
25	---	2.53	0	0	0	0	0	0	0	0	---	---	25
26	---	1.60	0	0	0	0	0	0	0	0	---	---	26
27	---	0.263	0	0	0	0	0	0	0	0	---	---	27
28	---	0.131	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	0B		0	0	0	0	0	0	0	0B	---	---	30
31	0		0		0		0	0		0B		---	31
TOTAL	---	4.524	0.115	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	0.162	0.004	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	2.53	0.063	0	0	0	0	0	0	0	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS FEB TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.017
MAXIMUM DAILY, 2.53 ON FEB 25
MINIMUM DAILY, 0 ON FEB 1
MAXIMUM INSTANTANEOUS,
5.22 AT 15:40 MST ON FEB 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 09 25 N
LONG 113 27 20 W
DRAINAGE AREA, 162 km²
A - MANUAL GAUGE

E - ESTIMATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	391	AUG	0
MAR	9.94	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 401 dam³

CLEAR RIVER NEAR DEAD CANYON - STATION NO. 07FD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.8	2.788	12.0	4.80	0.382	1.08	0.015	0.171	---	---	1
2	---	---	0.8	2.788	11.5	4.20	0.433	0.930	0.014	0.170	---	---	2
3	---	---	0.9	5.618	11.2	3.65	0.414	0.762	0.010	0.191	---	---	3
4	---	---	0.9	7.788	10.0	3.32	0.502	0.680	0.008	0.211	---	---	4
5	---	---	0.9	10.2.9	17.5	2.91	0.480	0.535	0.008	0.246	---	---	5
6	---	---	0.9	10.2.0	10.0	2.61	0.485	0.476	0.006	0.273	---	---	6
7	---	---	0.9	10.0.0	20.4	2.14	0.520	0.423	0.006	0.314	---	---	7
8	---	---	0.9	10.0.0	22.1	1.87	0.766	0.377	0.002	0.353	---	---	8
9	---	---	0.9	20.2.0	21.9	1.61	0.917	0.330	0	0.339	---	---	9
10	---	---	0.9	10.4	20.1	1.30	1.00	0.297	0	0.330	---	---	10
11	---	---	0.9	11.1	20.4	1.20	1.00	0.273	0	0.319	---	---	11
12	---	---	0.9	9.29	21.6	1.30	0.917	0.224	0	0.318	---	---	12
13	---	---	0.9	7.30	21.6	1.30	1.22	0.197	0	0.320	---	---	13
14	---	---	0.9	5.11	20.4	1.11 A	2.00	0.173	0	0.332	---	---	14
15	---	---	0.9	4.30	20.1	1.02 E	11.6	0.152	0	0.324	---	---	15
16	---	---	0.9	5.03	25.6	0.9250	10.6	0.165	0.001	0.328	---	---	16
17	---	---	0.9	6.42	21.4	0.8320	12.3	0.130	0.004	0.323	---	---	17
18	---	---	0.9	13.6	18.9	0.7400	10.1	0.123	0.005	0.309	---	---	18
19	---	---	0.9	16.0	16.9	0.6476	8.32	0.113	0.005	0.319	---	---	19
20	---	---	0.9	16.0	15.6	0.562	6.76	0.096	0.003	0.303	---	---	20
21	---	---	0.9	18.3	14.4	0.501	5.65	0.083	0.002	0.301	---	---	21
22	---	---	0.9	20.9	12.5	0.545	4.57	0.0614	0.003	0.301	---	---	22
23	---	---	0.9	17.3	10.9	0.533	3.60	0.0454	0.006	0.304	---	---	23
24	---	---	0.9	13.8	9.57	0.496	3.00	0.0364	0.038	0.321	---	---	24
25	---	---	0.9	12.2	8.03	0.455	2.67	0.0194	0.069	0.301	---	---	25
26	---	---	0.1120	10.9	8.43	0.444	2.54	0.018	0.085	0.327	---	---	26
27	---	09	0.6450	11.8	7.83	0.476	2.30	0.026	0.107	0.362A	---	---	27
28	---	09	0.5840	13.8	7.61	0.469	2.05	0.033	0.120	0.362E	---	---	28
29	---	---	0.5230	15.1	8.78	0.437	1.77	0.024	0.125	0.360E	---	---	29
30	---	---	0.5090	14.6	8.03	0.406	1.44	0.019	0.156	0.360E	---	---	30
31	---	---	2.35.0		5.48		1.15	0.016		0.358E	---	---	31
TOTAL	---	---	6.703	200.84	400.57	43.373	107.115	7.909	0.801	9.450	---	---	TOTAL
MEAN	---	---	0.152	12.3	15.0	1.45	3.46	0.255	0.027	0.305	---	---	MEAN
MAX	---	---	2.35	20.9	25.7	4.80	10.6	1.08	0.156	0.362	---	---	MAX
MIN	---	---	0	2.76	5.48	0.406	0.382	0.016	0	0.170	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.22
MAXIMUM DAILY, 25.7 ON MAY 15
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
32.4 AT 21:00 MST ON MAY 14

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 18 20 N
LONG 119 40 50 W
DRAINAGE AREA, 2 800 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	9 250
FEB	---	AUG	683
MAR	405	SEP	69.2
APR	31 900	OCT	815
MAY	42 400	NOV	---
JUN	3 750	DEC	---

TOTAL DISCHARGE, 89 300 dam³

CLEARWATER RIVER ABOVE CHRISTINA RIVER - STATION NO. 07CD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	42.00	39.00	36.00	42.10	115	114	72.5	120	85.0	77.2	77.00	63.30	1
2	42.00	39.50	36.50	42.00	114	111	72.1	126	85.2	76.8	76.40	62.20	2
3	42.20	39.00	41.00	43.50	110	107	71.6	122	85.1	76.7	76.00	61.90	3
4	42.50	38.50	43.40	44.00	120	105	76.1	121	84.5	77.0	75.50	60.20	4
5	42.70	38.00	42.10	46.20	133	103	80.7	120	84.9	76.9	75.10	58.90	5
6	42.00	37.00	41.10	48.50	130	100	83.7	119	84.5	78.0	74.80	58.40	6
7	42.00	37.50	41.50	54.40	142	98.7	105	118	83.9	80.1	74.30	58.30	7
8	43.00	37.00	40.00	61.50	145	96.6	113	115	83.6	81.0	74.00	58.20	8
9	43.30	36.50	37.90	74.20	145	95.0	116	113	83.1	82.6	73.70	58.00	9
10	43.50	36.20	39.10	81.00	147	92.8	116	111	82.2	81.9	73.30	54.30	10
11	43.80	36.00	41.40	77.70	140	91.4	115	109	81.5	81.6	73.00	52.80	11
12	44.00	35.60	41.00	80.00	150	90.3	114	107	80.6	82.2	72.80	51.10	12
13	44.00	35.70	42.20	80.90	151	88.4	111	105	79.8	82.0	72.80	51.30	13
14	44.00	35.80	42.30	81.20	151	88.7	110	102	78.8	81.5	72.50	51.80	14
15	44.00	35.40	41.80	80.10	151	84.5	108	100	78.4	81.4	72.40	51.80	15
16	44.00	35.20	41.50	78.20	148	82.8	106	98.0	78.5	80.9	72.30	50.60	16
17	44.00	35.00	41.40	76.40	144	81.6	104	97.3	78.3	80.2	72.30	49.90	17
18	44.00	34.70	41.10	74.50	140	78.9	103	97.4	77.9	79.3	72.30	49.70	18
19	44.00	34.40	41.10	74.00	137	78.7	116	96.4	78.1	78.3	71.90	49.50	19
20	43.50	34.20	41.00	76.10	135	80.8	123	96.0	77.8	79.3	71.10	49.30	20
21	43.00	34.00	41.10	76.10	133	79.4	127	95.4	78.4	79.8	72.50	48.10	21
22	42.70	34.00	41.10	73.80	132	78.8	126	94.6	78.4	79.3	72.40	47.00	22
23	42.50	34.00	41.10	86.00	135	79.2	126	93.6	77.8	79.1	71.50	47.00	23
24	42.00	34.00	41.00	105.0	137	79.6	126	93.0	77.6	78.9	71.20	47.40	24
25	42.00	34.50	40.70	121	135	78.0	126	92.2	77.7	78.5	71.50	47.30	25
26	42.00	35.00	40.80	127	133	77.1	127	91.3	77.4	78.2	69.90	46.90	26
27	41.50	35.50	40.50	131	131	75.9	126	90.1	76.4	78.6	70.30	46.50	27
28	41.00	36.00	40.70	127	130	76.3	126	89.0	76.3	79.1	68.00	46.50	28
29	40.80		40.30	123	126	73.5	126	87.9	76.2	79.3	65.60	46.30	29
30	40.50		40.80	118	126	73.0	126	87.0	77.0	78.20	64.20	45.60	30
31	40.00		41.20		117		126	85.6		77.70		45.50	31
TOTAL	1 324.5	1 000.0	1 266.2	2 626.9	4 203	2 837.6	3 620.7	3 203.5	2 405.0	2 462.3	2 171.5	1 613.7	TOTAL
MEAN	42.7	35.0	40.9	84.9	136	87.9	111	103	80.2	79.4	72.4	52.1	MEAN
MAX	44.0	39.5	42.6	127	151	114	130	126	85.2	82.6	77.0	63.3	MAX
MIN	40.0	34.0	37.9	42.1	114	73.0	71.6	85.6	76.2	76.7	64.3	45.5	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 77.1
MAXIMUM DAILY, 151 ON MAY 13
MINIMUM DAILY, 34.00 ON FEB 21
MAXIMUM INSTANTANEOUS,
152 AT 14:40 MST ON MAY 15

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 30 40 N
LONG 110 55 40 W
DRAINAGE AREA, 17 000 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	114 000	JUL	191 000
FEB	87 200	AUG	277 000
MAR	110 000	SEP	208 000
APR	210 000	OCT	213 000
MAY	383 000	NOV	188 000
JUN	228 000	DEC	139 000

TOTAL DISCHARGE, 2 430 000 dam³

CLEARWATER RIVER ABOVE LIMESTONE CREEK - STATION NO. 07CB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	5.01	80.1	42.8	27.1	18.7	19.7	13.4	---	1
2	---	---	---	---	5.05	78.0	36.6	28.1	18.2	19.1	13.3	---	2
3	---	---	---	---	5.19	66.0	33.6	26.1	18.6	18.3	13.8A	---	3
4	---	---	---	---	5.48	52.8	30.1	27.8	19.2	19.A	---	---	4
5	---	---	---	---	5.63	44.5	28.8	28.2	20.3	21.0	---	---	5
6	---	---	---	---	7.08	41.8	26.8	28.1	18.1	23.6	---	---	6
7	---	---	---	---	8.81	40.8	33.6	25.8	16.6	25.1	---	---	7
8	---	---	---	---	8.84	46.6	23.2	26.8	15.1	26.7	---	---	8
9	---	---	---	---	8.62	46.1	24.8	25.8	14.6	25.7	---	---	9
10	---	---	---	---	8.96	38.2	25.6	24.9	14.7	26.0	---	---	10
11	---	---	---	---	7.34	39.7	24.6	25.4	17.1	23.8	---	---	11
12	---	---	---	---	7.54	36.4	24.4	26.6	16.9	22.8	---	---	12
13	---	---	---	---	7.18	31.0	24.2	27.8	15.6	22.3	---	---	13
14	---	---	---	---	6.74	28.6	22.3	28.0	14.8	21.9	---	---	14
15	---	---	---	---	6.20	25.8	22.2	26.8	14.1	21.4	---	---	15
16	---	---	---	---	8.19	37.0	25.1	25.3	16.7	20.8	---	---	16
17	---	---	---	---	7.88	29.7	54.2	23.3	18.5	20.6	---	---	17
18	---	---	---	---	12.7	30.4	86.0	21.6	18.5	20.1	---	---	18
19	---	---	---	---	16.5	35.2	58.9	21.4	17.2	19.7	---	---	19
20	---	---	---	---	21.0	31.3	63.1	20.9	18.2	19.4	---	---	20
21	---	---	---	---	25.8	24.8	82.0	19.6	18.4	19.1	---	---	21
22	---	---	---	---	26.6	21.8	95.5	18.9	18.6	18.7	---	---	22
23	---	---	---	---	23.4	20.9	92.6	18.6	18.3	18.2	---	---	23
24	---	---	---	---	19.7	33.6	51.2	18.6	18.1	17.9	---	---	24
25	---	---	---	---	20.5	28.0	43.9	18.6	17.9	17.6	---	---	25
26	---	---	---	---	48.3	27.5	42.3	17.9	22.1	17.5	---	---	26
27	---	---	---	---	90.6	26.0	43.9	16.9	20.1	17.7	---	---	27
28	---	---	---	5.22A	106	23.8	38.4	16.7	19.8	17.7	---	---	28
29	---		---	5.18	106	30.5	36.9	17.3	18.4	17.2	---	---	29
30	---		---	5.08	83.4	52.0	33.5	19.7	19.0	16.7	---	---	30
31	---		---		84.6		29.4	18.8		16.6	---	---	31
TOTAL	---	---	---	---	606.93	1 151.7	1 156.8	715.1	514.4	629.6	---	---	TOTAL
MEAN	---	---	---	---	28.0	38.4	37.7	23.1	17.1	20.3	---	---	MEAN
MAX	---	---	---	---	106	80.1	86.0	28.2	22.1	26.7	---	---	MAX
MIN	---	---	---	---	5.01	20.9	22.3	16.7	14.1	14.6	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 27.1
MAXIMUM DAILY, 106 ON MAY 28
MINIMUM DAILY, 5.01 ON MAY 1
MAXIMUM INSTANTANEOUS,
117 AT 05 04 MST ON MAY 29

SUMMARY FOR THE MONTHS MAY TO DEC

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 59 30 N
LONG 115 26 00 W
DRAINAGE AREA, 1 340 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	101 000
FEB	---	AUG	61 800
MAR	---	SEP	44 400
APR	---	OCT	54 400
MAY	89 700	NOV	---
JUN	99 500	DEC	---

TOTAL DISCHARGE, 431 000 dam³

CLEARWATER RIVER AT DRAPER - STATION NO. 07CD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	47.98	47.88	47.78	48.38	182	173	95.7	286	118	87.8	84.28	71.58	1
2	48.58	47.68	48.08	48.38	158	168	95.2	278	117	88.0	83.88	70.78	2
3	48.08	47.48	48.08	50.58	183	163	93.3	270	116	88.2	83.08	70.48	3
4	48.18	48.68	48.18	53.08	176	157	93.4	262	114	86.2	82.88	69.08	4
5	48.18	48.88	48.98	55.68	181	153	101	255	112	85.2	82.08	67.38	5
6	48.18	48.08	48.08	60.38	196	150	120	248	111	87.2	81.88	67.18	6
7	48.88	48.88	48.38	69.48	188	146	141	240	109	90.0	81.88	67.28	7
8	48.28	48.88	48.18	78.38	200	142	184	228	108	90.4	80.88	67.18	8
9	48.48	48.88	48.38	84.08	201	139	181	223	107	92.4	80.58	64.48	9
10	48.38	48.88	48.08	89.48	189	135	163	215	105	91.8	80.28	63.48	10
11	47.88	48.38	48.28	96.08	198	132	184	207	104	90.8	80.08	61.98	11
12	47.58	48.78	48.88	101 .8	198	130 A	184	199	101	92.0	80.08	59.88	12
13	47.38	48.88	48.88	102 .8	198	127 A	184	191	98.7	91.3	80.08	60.18	13
14	47.88	48.88	48.28	97.48	198	124 A	184	183	98.0	90.7	80.08	61.18	14
15	48.18	48.88	48.58	95.08	196	123 A	185	177	91.0	90.5	79.88	60.98	15
16	48.18	48.48	48.18	95.18	191	122 A	185	172	96.8	90.2	79.58	60.08	16
17	48.48	48.98	48.28	91.98	186	121 E	186	165	94.8	88.2	79.08	59.28	17
18	48.58	47.68	47.88	91.78	181	119 A	189	161	93.8	86.7	79.08	59.78	18
19	48.88	47.38	47.68	93.78	178	110	223	158	94.0	86.8	79.08	59.38	19
20	48.78	47.38	47.28	161 .8	176	109	260	155	92.9	86.3	78.88	59.28	20
21	48.78	46.98	47.98	157 .8	174	106	285	153	92.8	86.7	78.78	59.38	21
22	48.88	45.98	48.38	156 .8	174	107	297	150	93.1	87.3	78.48	59.48	22
23	48.88	45.28	47.38	158 .8	178	107	301	147	91.6	86.8	78.08	59.48	23
24	48.88	45.28	47.48	166 .8	184	108	296	143	89.8	85.8	78.48	59.58	24
25	48.88	45.88	48.98	205 .8	188	108	287	140	89.7	85.9	78.18	59.68	25
26	48.38	45.38	48.38	215 .8	181	108	286	136	88.8	86.0	78.18	59.58	26
27	48.18	45.18	48.28	230 .8	182	106	282	133	87.0	87.1	79.08	59.58	27
28	47.88	46.88	48.58	222	180	103	288	130	87.1	87.2	78.88	59.78	28
29	46.38		48.78	188	188	101	288	127	87.1	86.38	74.58	59.88	29
30	48.08		47.18	170	180	98.0	280	124	87.8	85.78	73.08	59.58	30
31	47.78		47.68		176		280	121		85.08		59.88	31
TOTAL	1 488.4	1 334.9	1 482.9	3 578.8	5 780	3 799.0	6 282.8	5 778	2 883.9	2 730.0	2 389.6	1 836.1	TOTAL
MEAN	48.4	47.7	47.8	119	186	127	202	186	96.5	88.1	78.7	62.4	MEAN
MAX	48.1	48.0	48.8	230	201	173	301	286	118	92.4	84.2	71.6	MAX
MIN	47.3	45.2	45.0	48.3	158	98.0	93.3	121	87.0	85.0	73.0	59.2	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 108
MAXIMUM DAILY, 301 ON JUL 23
MINIMUM DAILY, 45.08 ON MAR 10
MAXIMUM INSTANTANEOUS,
302 AT 19:38 MST ON JUL 22

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 41 07 N
LONG 111 15 15 W
DRAINAGE AREA, 30 800 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	130 000	JUL	541 000
FEB	115 000	AUG	498 000
MAR	128 000	SEP	258 000
APR	309 000	OCT	236 000
MAY	488 000	NOV	206 000
JUN	326 000	DEC	157 000

TOTAL DISCHARGE, 3 430 000 dam³

CLEARWATER RIVER NEAR DOVERCOURT - STATION NO. 05BD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	6.358	6.378	6.600	7.200	8.33	80.2	79.3	42.0	23.8	36.6	19.5	11.7 B	1
2	6.958	6.378	6.858	6.91	9.15	75.8	83.1	36.8	22.3	36.0	19.5	11.3 B	2
3	6.858	6.328	6.258	6.57	8.15	72.4	52.8	37.0	23.4	33.1	19.7	10.8 B	3
4	6.408	6.268	5.758	6.64	9.81	61.8	46.7	37.0	24.7	31.4	19.7	10.4 B	4
5	6.278	6.188	6.208	6.95	15.0	53.1	45.8	37.9	27.2	31.9	19.5	10.0 B	5
6	6.138	5.958	6.908	7.25	18.6	48.2	45.7	38.3	26.0	33.6	19.3	9.938	6
7	6.138	5.708	6.888	7.48	17.8	46.3	42.8	36.2	23.3	36.9	18.00	9.848	7
8	6.158	6.348	7.068	7.72	16.8	48.3	38.2	33.9	21.4	38.6	18.05	9.768	8
9	6.178	6.068	7.228	7.93	16.5	53.6	36.0	33.5	20.1	40.1	18.88	9.688	9
10	6.288	6.628	7.328	8.00	16.8	48.7	34.7	32.2	19.5	38.4	18.00	9.588	10
11	6.288	6.608	7.428	7.84	17.0	44.0	36.1	31.1	20.8	36.2	13.98	9.500	11
12	6.328	6.388	7.488	7.88	17.0	45.6	36.2	32.0	22.0	34.1	12.88	9.418	12
13	6.388	6.158	7.538	7.35	16.7	41.8	34.7	33.5	21.5	32.5	12.88	9.338	13
14	6.448	5.908	7.578	7.00	16.6	37.0	33.3	33.1	20.5	31.2	13.18	9.256	14
15	6.508	3.738	7.628	7.13	17.0	36.6	31.7	31.9	19.6	30.0	13.68	9.180	15
16	6.568	3.588	7.888	7.17	17.1	41.6	32.9	30.2	20.0	28.9	14.18	9.118	16
17	6.628	3.478	7.708	7.30	20.4	36.9	74.1	28.2	23.6	27.9	14.48	9.038	17
18	6.688	3.428	7.728	7.38	22.6	34.1	136	26.3	27.0	27.1	14.68	8.948	18
19	6.748	3.418	7.748	7.44	30.6	36.2	133	24.8	25.6	26.2	14.78	8.858	19
20	6.808	3.408	7.788	7.88	36.6	38.0	108	24.6	23.6	25.8	14.88	8.788	20
21	6.868	3.418	7.768	8.50	41.6	33.6	93.7	23.7	22.6	25.0	14.78	8.678	21
22	6.928	3.478	7.728	9.10	49.4	28.4	83.2	23.9	21.4	24.3	14.68	8.598	22
23	6.978	3.548	7.628	9.24	46.0	25.6	78.7	22.1	20.5	23.8	14.48	8.518	23
24	6.928	3.628	7.618	8.68	39.0	24.5	70.4	23.1	20.3	23.3	14.28	8.438	24
25	6.978	3.758	7.748	8.48	34.8	27.0	64.4	22.8	20.1	22.8	13.98	8.358	25
26	6.138	3.908	7.908	8.62	37.7	31.7	59.0	21.9	48.9	22.4	13.68	8.278	26
27	6.198	4.068	8.108	8.95	58.7	29.9	62.0	21.0	48.2	22.1	13.28	8.198	27
28	6.228	4.258	8.208	9.04	79.6	28.5	58.4	20.2	38.4	22.0	12.98	8.118	28
29	6.278		8.168	8.84	92.1	31.3	54.2	19.8	35.3	21.6	12.68	8.038	29
30	6.328		8.058	8.65	94.3	57.1	52.3	21.0	33.3	21.4	12.18	7.948	30
31	6.388		7.858		86.1		47.0	22.8		20.6		7.858	31
TOTAL	177.03	136.44	234.48	235.17	1 006.85	1 300.8	1 869.5	802.5	771.7	907.0	459.1	285.29	TOTAL
MEAN	5.71	4.52	7.24	7.84	32.5	43.4	60.3	25.1	25.7	29.3	15.3	9.20	MEAN
MAX	6.38	6.37	8.20	9.24	94.3	80.2	136	42.0	48.9	40.1	19.7	11.7	MAX
MIN	5.13	3.40	4.60	6.57	8.15	24.6	31.7	19.8	19.5	20.8	12.1	7.85	MIN

SUMMARY FOR THE YEAR 1985

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 22.7
MAXIMUM DAILY, 136 ON JUL 18
MINIMUM DAILY, 3.408 ON FEB 20
MAXIMUM INSTANTANEOUS,
155 AT 21 34 MST ON JUL 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 15 09 N
LONG 114 51 14 W
DRAINAGE AREA, 2 230 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	15 300	JUL	182 000
FEB	10 900	AUG	78 000
MAR	19 400	SEP	66 700
APR	20 300	OCT	78 400
MAY	87 200	NOV	39 700
JUN	112 000	DEC	24 600

TOTAL DISCHARGE, 715 000 dam³

COAL CREEK AT BOW CITY - STATION NO. 05BN014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.735	0.224	0.502	0.107	0.200	0.189	0.001	---	1
2	---	---	---	---	0.633	0.261	0.477	0.102	0.180	0.215	0	---	2
3	---	---	---	---	0.648	0.193	0.580	0.118	0.238	0.202	0.003A	---	3
4	---	---	---	---	0.034	0.211	0.563	0.108	0.258	0.142	---	---	4
5	---	---	---	---	0.081	0.178	0.480	0.260	0.044	0.031	---	---	5
6	---	---	---	---	0.080	0.243	0.445	0.407	0.024	0.008	---	---	6
7	---	---	---	---	0.084	0.293	0.483	0.466	0.017	0.013	---	---	7
8	---	---	---	---	0.080	0.276	0.545	0.458	0.014A	0.011	---	---	8
9	---	---	---	---	0.077	0.286	0.402	0.490	0.014A	0.007	---	---	9
10	---	---	---	---	0.075	0.295	0.447	0.585	0.014E	0.006	---	---	10
11	---	---	---	---	0.074	0.283	0.380	0.816	0.014E	0.004	---	---	11
12	---	---	---	---	0.072	0.254	0.617	0.351	0.014E	0.004	---	---	12
13	---	---	---	---	0.069	0.214	0.617	0.184	0.014E	0.003	---	---	13
14	---	---	---	---	0.101	0.269	0.616	0.244	0.014E	0.003	---	---	14
15	---	---	---	---	0.097	0.410	0.683	0.288	0.014E	0.003	---	---	15
16	---	---	---	---	0.091	0.462	0.682	0.347	0.014E	0.003	---	---	16
17	---	---	---	---	0.040	0.463	0.721	0.330	0.014E	0.002	---	---	17
18	---	---	---	---	0.038	0.330	0.423	0.241	0.014E	0.002	---	---	18
19	---	---	---	---	0.035	0.232	0.456	0.282	0.014E	0.002	---	---	19
20	---	---	---	---	0.036	0.263	0.535	0.357	0.013E	0.002	---	---	20
21	---	---	---	0.001A	0.104	0.307	0.515	0.372	0.013E	0.001	---	---	21
22	---	---	---	0.001	0.439	0.256	0.532	0.350	0.014E	0.001	---	---	22
23	---	---	---	0.047	0.353	0.258	0.402	0.367	0.080E	0.001	---	---	23
24	---	---	---	0.021	0.238	0.213	0.396	0.335	0.300E	0.001	---	---	24
25	---	---	---	0.008	0.180	0.201	0.434	0.323	0.260E	0.001	---	---	25
26	---	---	---	0.005	0.216	0.458	0.694	0.307	0.240E	0.001	---	---	26
27	---	---	---	0.040	0.261	0.639	0.722	0.283	0.200E	0.001	---	---	27
28	---	---	---	0.039	0.250	0.647	0.676	0.265	0.170E	0.001	---	---	28
29	---		---	0.020	0.892	0.602	0.644	0.108	0.167A	0	---	---	29
30	---		---	0.484	0.611	0.573	0.535	0.068	0.104	0.001	---	---	30
31	---		---		0.629		0.218	0.100		0.001	---	---	31
TOTAL	---	---	---	---	5.983	10.429	15.620	9.462	2.677	0.843	---	---	TOTAL
MEAN	---	---	---	---	0.193	0.348	0.536	0.305	0.089	0.027	---	---	MEAN
MAX	---	---	---	---	0.735	0.873	0.722	0.816	0.300	0.215	---	---	MAX
MIN	---	---	---	---	0.034	0.178	0.218	0.068	0.013	0	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 25 50 N
LONG 113 13 40 W
DRAINAGE AREA, 86.8 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.350
MAXIMUM DAILY, 0.735 ON MAY 1
MINIMUM DAILY, 0 ON OCT 29

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 440
FEB	---	AUG	818
MAR	---	SEP	231
APR	---	OCT	72.7
MAY	518	NOV	---
JUN	901	DEC	---

TOTAL DISCHARGE, 3 980 dam³

COAL LAKE RESERVOIR NEAR WETASKIWIN - STATION NO 05FA016

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	702.564	702.553	702.628	703.063A	702.920	702.965	702.815	702.910	---	702.795	702.781	702.811	1
2	702.564	702.553	702.640	---	702.903	702.957	702.815	702.911	---	702.795	702.791	702.810	2
3	702.560	702.561	702.680	---	702.964	702.950	702.826	702.912	702.813A	702.803	702.788	702.809	3
4	702.560	702.563	702.744	---	702.961	702.930	702.827	702.919	702.781	702.804	702.795	702.809	4
5	702.564	702.563	702.820	---	702.960	702.923	702.832	702.931	702.779	702.805	702.793	702.810	5
6	702.568	702.560	702.877	---	702.957	702.923	702.816	702.941	702.771	702.811	702.794	702.808	6
7	702.575	702.560	702.896	---	702.947	702.905	702.808	702.940	702.784	702.789	702.826	702.808	7
8	702.574	702.559	702.912	---	702.949	702.904	702.802	702.942	702.783	702.795	702.797	702.806	8
9	702.574	702.559	702.895	---	702.952	702.897	702.801	702.938	702.784	702.807	702.783	702.806	9
10	702.571	702.561	702.891	---	702.967	702.885	702.801	702.926	702.769	702.814	702.783	702.806	10
11	702.569	702.568	702.892A	---	702.963	702.884	702.802	702.925	702.788	702.791	702.784	702.807	11
12	702.569	702.569	---	---	702.952	702.872	702.802	702.924	702.782	702.795	702.783	702.807	12
13	702.569	702.568	---	---	702.970	702.864	702.803	702.922	702.773	702.796	702.786	702.803	13
14	702.566	702.567	---	---	703.026	702.860	702.804	702.920	702.761	702.798	702.785	702.802	14
15	702.568	702.568	---	---	703.064	702.861	702.806	702.915	702.761	702.801	702.787	702.802	15
16	702.566	702.595	---	---	703.000	702.863	702.819	702.899	702.764	702.802	702.789	702.801	16
17	702.560	702.598	---	702.958A	702.991	702.863	702.837	702.891	702.765	702.802	702.789	702.802	17
18	702.564	702.598	---	702.961	702.995	702.859	702.843	702.880	702.764	702.798	702.793	702.800	18
19	702.565	702.597	---	702.955	703.009	702.855	702.844	---	702.760	702.798	702.795	702.798	19
20	702.569	702.598	---	702.948	703.020	702.859	702.868	---	702.760	702.798	702.799	702.797	20
21	702.569	702.602	---	702.943	703.038	702.865	702.862	---	702.759	702.822	702.800	702.797	21
22	702.566	702.612	---	702.942	703.049	702.858	702.862	---	702.759	702.822	702.800	702.797	22
23	702.565	702.617	---	702.943	703.045	702.847	702.863	---	702.746	702.820	702.802	702.797	23
24	702.556	702.620	---	702.934	703.017	702.847	702.863	---	702.747	702.832	702.804	702.796	24
25	702.553	703.623	703.052A	702.926	703.007	702.844	702.863	---	702.760	702.828	702.805	702.794	25
26	702.558	702.626	---	702.920	703.000	702.844	702.864	---	702.786	702.829	702.806	702.794	26
27	702.558	702.627	---	702.911	703.036	702.835	702.866	---	702.782	702.831	702.806	702.794	27
28	702.558	702.627	---	702.923	703.021	702.830	702.866	---	702.783	702.826	702.806	702.794	28
29	702.558		---	702.935	703.001	702.825	702.867	---	702.783	702.812	702.806	702.796	29
30	702.556		---	702.960	702.988	702.827	702.880	---	702.791	702.827	702.806	702.801	30
31	702.550		---		702.975		702.897	---		702.789		702.800	31
MEAN	702.566	702.589	---	---	702.949	702.877	702.836	---	---	702.808	702.795	702.802	MEAN
MAX	702.575	703.627	---	---	703.064	702.965	702.897	---	---	702.832	702.826	702.811	MAX
MIN	702.553	702.553	---	---	702.903	702.825	702.801	---	---	702.789	702.781	702.794	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MAXIMUM DAILY. 703.064 ON MAY 15
MINIMUM DAILY. 702.553 ON JAN 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 00 07 N
LONG 113 13 08 W

A - MANUAL GAUGE

REGULATED SINCE 1972

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA
1 200 km²

COLD LAKE AT COLD LAKE - STATION NO 05AF002

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	534.720	534.716	534.730	534.733	534.786	534.828	535.036	535.237	535.237	535.192	---	534.948	1
2	534.721	534.716	534.731	534.736	534.769	534.829	535.037	535.240	535.239	535.185	---	534.941	2
3	534.720	534.715	534.727	534.727	534.769	534.824A	535.042	535.246	535.227	535.174	---	534.942	3
4	534.716	534.718	534.735	534.736	534.767	534.851	535.032	535.256	535.219	535.174	---	534.940	4
5	534.709	534.716	534.730	534.736	534.767	534.861	535.042	535.262	535.220	535.166	---	534.937	5
6	534.706	534.716	534.722	534.736	534.765	534.866	535.039	535.271	535.212	535.165	535.020A	534.932	6
7	534.707	534.713	534.726	534.737	534.769	534.871	535.039	535.276	535.207	535.178	535.053	534.938	7
8	534.709	534.714	534.734	534.741	534.770	534.872	535.031	535.280	535.205	535.163	535.024	534.947	8
9	534.714	534.716	534.734	534.739	534.770	534.871	535.033	535.282	535.200	535.161	534.999	534.916	9
10	534.720	534.714	534.722	534.748	534.776	534.874	535.038	535.285	535.197	535.160	534.994	534.913	10
11	534.712	534.715	534.731	534.760	534.778	534.878	535.042	535.283	535.205	535.147	534.985	534.917	11
12	534.718	534.716	534.731	534.761	534.781	534.884	535.045	535.283	535.212	535.171	534.987	534.918	12
13	534.710	534.716	534.730	534.762	534.784	534.888	535.050	535.286	535.200	535.141	535.000	534.918	13
14	534.698	534.710	534.731	534.763	534.783	534.889	535.056	535.292	535.194	535.141	535.000	534.918	14
15	534.682	534.716	534.732	534.758	534.811	534.889	535.066	535.287	535.193	535.139	535.037	534.917	15
16	534.678	534.721	534.733	534.764	534.814	534.886	535.069	535.287	535.189	535.145	535.026	534.912	16
17	534.680	534.720	534.734	534.763	534.816	534.888	535.110	535.286	535.184	535.137	535.016	534.913	17
18	534.682	534.720	534.735	534.761	534.816	534.887	535.132	535.287	535.172	535.133	535.016	534.912	18
19	534.684	534.720	534.732	534.763	534.822	535.016	535.135	535.290	535.168	535.130	534.983	534.915	19
20	534.687	534.726	534.730	534.764	534.824A	535.012	535.133	535.281	535.166	535.129	534.974	534.917	20
21	534.691	534.726	534.732	534.764	---	535.010	535.143	535.284	535.182	535.129	534.971	534.916	21
22	534.694	534.726	534.732	534.756	---	535.017	535.151	535.286	535.158	535.130	534.969	534.916	22
23	534.696	534.727	534.735	534.765	---	535.023	535.154	535.276	535.155	535.130	534.967	534.916	23
24	534.695	534.727	534.733	534.758	---	535.035	535.157	535.277	535.160	535.129	534.963	534.916	24
25	534.700	534.726	534.734	534.758	---	535.033	535.160	535.270	535.205	535.127	534.969	534.920	25
26	534.698	534.728	534.735	534.760	---	535.034	535.171	535.269	535.230	535.119	534.981	534.919	26
27	534.699	534.722	534.733	534.760	---	535.039	535.181	535.269	535.193	535.115A	534.962	534.919	27
28	534.710	534.732	534.735	534.760	---	535.038	535.191	535.260	535.184	---	534.957	534.920	28
29	534.713		534.736	534.762	---	535.039	535.199	535.263	535.182	---	534.955	534.921	29
30	534.716		534.737	534.765	534.813	535.038	535.229	535.268	535.184	---	534.952	534.920	30
31	534.714		534.733		534.820		535.224	535.247		---		534.923	31
MEAN	534.703	534.720	534.731	534.750	---	534.893	535.102	535.274	535.195	---	---	534.923	MEAN
MAX	534.721	534.732	534.737	534.765	---	535.039	535.224	535.295	535.239	---	---	534.948	MAX
MIN	534.678	534.713	534.730	534.733	---	534.825	535.029	535.237	535.155	---	---	534.912	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MAXIMUM DAILY. 535.295 ON AUG 12
MINIMUM DAILY. 534.678 ON JAN 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 28 18 N
LONG 110 10 55 W

A - MANUAL GAUGE

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA
6 010 km²

COLQUHOUN CREEK NEAR GRANDE PRAIRIE - STATION NO 07GE008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0708	1.25 B	0.516	0.183	0.013	0	0	0	---	---	1
2	---	---	0.1308	1.15 B	0.412	0.121	0.012	0	0	0	---	---	2
3	---	---	0.2008	0.8758	0.787	0.093	0.007	0	0	0	---	---	3
4	---	---	0.3208	1.15 B	1.52	0.079	0.003	0	0	0	---	---	4
5	---	---	0.2708	2.11 B	1.01	0.063	0.006	0	0	0	---	---	5
6	---	---	0.1908	1.17 B	0.629	0.048	0.011	0	0	0	---	---	6
7	---	---	0.1278	1.16 B	0.399	0.030	0.009	0	0	0	---	---	7
8	---	---	0.0708	1.35	0.301	0.015	0.006	0	0	0	---	---	8
9	---	---	0.0458	1.20	0.245	0.008	0.003	0	0	0	---	---	9
10	---	---	0.0358	0.752	0.244	0.008	0	0	0	0	---	---	10
11	---	---	0.0228	0.586	0.216	0	0	0	0	0	---	---	11
12	---	---	0.0098	0.510A	0.202	0	0	0	0	0	---	---	12
13	---	---	0.0058	0.390E	0.224	0	0	0	0	0	---	---	13
14	---	---	0.0038	0.300E	0.445	0	0	0	0	0	---	---	14
15	---	---	0.0048	0.276A	0.892	0	0.009	0	0	0	---	---	15
16	---	---	0.0058	0.383	0.582	0	0.027	0	0	0	---	---	16
17	---	0 B	0.0058	0.841	0.320	0	0.026	0	0	0	---	---	17
18	---	0 B	0.0068	1.57	0.041	0	0.022	0	0	0	---	---	18
19	---	0 B	0.0208	1.01	0	0.001	0.018	0	0	0	---	---	19
20	---	0 B	0.0408	0.738	0.087	0.002	0.013	0	0	0	---	---	20
21	---	0 B	0.1008	0.523	0.139	0	0.007	0	0	0	---	---	21
22	---	0 B	0.4808	0.352	0.221	0.006	0.004	0	0	0	---	---	22
23	---	0 B	0.3008	0.248	0.281	0.020	0.017	0	0	0	---	---	23
24	---	0.0018	0.1808	0.181	0.248	0.005	0.025	0	0	0	---	---	24
25	---	0.0108	0.1008	0.157	0.269	0.001	0.024	0	0	0	---	---	25
26	---	0.0208	0.2878	0.142	0.271	0.006	0.018	0	0	0	---	---	26
27	---	0.0508	2.81 B	0.133	0.274	0.011	0.014	0	0	0	---	---	27
28	---	0.1008	4.88 B	0.147	0.311	0.010	0.011	0	0	0	---	---	28
29	---		1.72 B	0.362	0.281	0.010	0.005	0	0	0	---	---	29
30	---		1.50 B	0.614	0.243	0.012	0.005	0	0	0	---	---	30
31	---		1.35 B		0.181		0.004	0		0		---	31
TOTAL	---	---	15.383	21.780	11.769	0.690	0.318	0	0	0	---	---	TOTAL
MEAN	---	---	0.496	0.726	0.380	0.023	0.010	0	0	0	---	---	MEAN
MAX	---	---	4.88	2.11	1.52	0.183	0.027	0	0	0	---	---	MAX
MIN	---	---	0.003	0.133	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.204
MAXIMUM DAILY, 4.88B ON MAR 28
MINIMUM DAILY, 0 ON MAY 19
MAXIMUM INSTANTANEOUS,
14.2B AT 18 00 MST ON MAR 27

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 17 07 N
LONG 119 08 43 W
DRAINAGE AREA 130 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	27.8
FEB	---	AUG	0
MAR	1 330	SEP	0
APR	1 880	OCT	0
MAY	1 020	NOV	---
JUN	59.8	DEC	---

TOTAL DISCHARGE 4 320 dam³

COLUMBINE CREEK NEAR THE MOUTH - STATION NO 06AA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.51 B	0.042	0.034	0	0.002	0	0.027	---	---	1
2	---	---	0 B	1.25 B	0.039	0.034	0	0.004	0	0.020	---	---	2
3	---	---	0 B	0.9498	0.035	0.015	0	0.026	0	0.014	---	---	3
4	---	---	0 B	0.7588	0.035	0.002	0	0.043	0	0.010	---	---	4
5	---	---	0 B	0.619	0.060	0	0	0.053	0	0.008	---	---	5
6	---	---	0 B	0.501	0.068	0	0	0.054	0	0.006	---	---	6
7	---	---	0 B	0.393	0.058	0	0	0.045	0	0.003	---	---	7
8	---	---	0 B	0.346	0.056	0	0	0.031	0	0.001	---	---	8
9	---	---	0 B	0.303	0.048	0	0	0.024	0	0	---	---	9
10	---	---	0 B	0.250	0.048	0	0	0.017	0	0	---	---	10
11	---	---	0 B	0.218	0.047	0	0	0.010	0	0	---	---	11
12	---	---	0.0018	0.189	0.049	0	0	0.006	0	0	---	---	12
13	---	---	0.0878	0.181	0.052	0	0	0.002	0	0	---	---	13
14	---	---	0.1838	0.137	0.041	0	0.004	0	0	0	---	---	14
15	---	---	0.2268	0.112	0.036	0	0.001	0	0	0	---	---	15
16	---	---	0.2428	0.088	0.032	0	0.001	0	0	0	---	---	16
17	---	---	0.2148	0.061	0.029	0	0.007	0	0	0	---	---	17
18	---	---	0.1798	0.036	0.026	0	0.034	0	0	0	---	---	18
19	---	---	0.1408	0.031	0.023	0	0.005	0	0	0.014	---	---	19
20	---	---	0.1078	0.034	0.019	0	0	0	0	0.063	---	---	20
21	---	---	0.1498	0.037	0.016	0	0	0	0	0.039	---	---	21
22	---	---	0.2368	0.033	0.047	0	0.011	0	0	0.053	---	---	22
23	---	---	0.3018	0.026	0.265	0	0.018	0	0	0.046	---	---	23
24	---	---	0.3968	0.025	0.174	0	0.012	0	0	0.037	---	---	24
25	---	---	0.4718	0.024	0.170	0	0.004	0	0	0.030	---	---	25
26	---	---	0.5208	0.018	0.171	0.003	0	0	0	0.023	---	---	26
27	---	---	0.6058	0.022	0.090	0.006	0.007	0	0	0.015	---	---	27
28	---	0B	0.7388	0.047	0.090	0.007	0.023	0	0.023	0.009	---	---	28
29	---		0.8858	0.038	0.074	0.005	0.006	0	0.041	0.005	---	---	29
30	---		1.33 B	0.038	0.045	0.001	0	0	0.034	0 B	---	---	30
31	---		1.47 B		0.032		0.003	0		0 B		---	31
TOTAL	---	---	8.691	8.253	2.027	0.107	0.139	0.317	0.098	0.443	---	---	TOTAL
MEAN	---	---	0.277	0.275	0.065	0.004	0.004	0.010	0.003	0.014	---	---	MEAN
MAX	---	---	1.47	1.51	0.265	0.034	0.034	0.054	0.041	0.063	---	---	MAX
MIN	---	---	0	0.018	0.016	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.082
MAXIMUM DAILY, 1.51B ON APR 1
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.8B AT 08 50 MST ON MAR 31

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 21 21 N
LONG 111 08 22 W
DRAINAGE AREA, 241 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	11.8
FEB	---	AUG	27.4
MAR	742	SEP	8.47
APR	713	OCT	30.3
MAY	175	NOV	---
JUN	9.24	DEC	---

TOTAL DISCHARGE, 1 730 dam³

REMARKS - DATA 1977-1981 CONTRIBUTED BY PROVINCE AND PUBLISHED UNDER 06AA001

CONNOR CREEK NEAR SANGUDO - STATION NO. 07BB009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.75 B	2.99 B	1.82	0.015	0.080	0.054	0	0	0	---	1
2	---	---	1.75 B	3.04 B	1.45	0.015	0.055	0.057	0	0	0	---	2
3	---	---	1.75 B	2.10	1.03	0.018	0.050	0.064	0	0	0	---	3
4	---	---	1.75 B	1.39	0.720	0.038	0.044	0.071	0	0	0	---	4
5	---	---	1.75 B	1.16	0.545	0.053	0.042	0.073	0	0	0	---	5
6	---	---	1.57 B	1.09	0.450	0.057	0.036	0.074	0	0	B	---	6
7	---	---	1.62 B	0.998	0.330	0.058	0.031	0.073	0	0	---	---	7
8	---	---	1.20 B	0.793	0.380	0.058	0.024	0.070	0	0	---	---	8
9	---	---	0.8128	0.568	0.464	0.055	0.017	0.068	0	0	---	---	9
10	---	---	0.5788	0.419	0.622	0.049	0.011	0.084	0	0	---	---	10
11	---	---	0.4258	0.309	0.336	0.049	0.007	0.084	0	0	---	---	11
12	---	---	0.3418	0.233	0.249	0.050	0.005	0.083	0	0	---	---	12
13	---	---	0.2608	0.220	0.208	0.047	0.006	0.082	0	0	---	---	13
14	---	---	0.1368	0.228	0.215	0.043	0.006	0.082	0	0	---	---	14
15	---	---	0.1048	0.230	0.263	0.043	0.003	0.086	0	0	---	---	15
16	---	---	0.1048	0.277	0.212	0.047	0.010	0.072	0	0	---	---	16
17	---	---	0.1108	0.527	0.133	0.048	0.024	0.074	0	0	---	---	17
18	---	---	0.1568	2.36	0.102	0.050	0.042	0.075	0	0	---	---	18
19	---	---	0.4518	3.94	0.087	0.054	0.058	0.075	0	0	---	---	19
20	---	---	0.9778	3.98	0.044	0.066	0.105	0.033	0	0	---	---	20
21	---	---	1.75 B	3.04	0.039	0.062	0.140	0	0	0	---	---	21
22	---	---	3.47 B	2.23	0.058	0.065	0.122	0	0	0	---	---	22
23	---	---	4.13 B	1.73	0.073	0.071	0.087	0	0	0	---	---	23
24	---	---	3.50 B	1.70	0.087	0.073	0.077	0	0	0	---	---	24
25	---	---	2.53 B	1.65	0.032	0.072	0.058	0	0	0	---	---	25
26	---	---	2.17 B	1.91	0.015	0.075	0.051	0	0	0	---	---	26
27	---	---	2.11 B	1.73	0.015	0.073	0.041	0	0	0	---	---	27
28	---	---	3.37 B	1.62	0.015	0.071	0.035	0	0	0	---	---	28
29	---		4.66 B	1.54	0.015	0.068	0.034	0	0	0	---	---	29
30	---		4.13 B	1.60	0.015	0.084	0.036	0	0	0	---	---	30
31	---		3.18 B		0.015		0.050	0		0		---	31
TOTAL	---	---	52.581	45.905	8.781	1.617	1.378	1.312	0	0	---	---	TOTAL
MEAN	---	---	1.70	1.53	0.316	0.054	0.044	0.042	0	0	---	---	MEAN
MAX	---	---	4.66	3.98	1.82	0.075	0.140	0.075	0	0	---	---	MAX
MIN	---	---	0.104	0.220	0.015	0.015	0.003	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.480
MAXIMUM DAILY, 4.660 ON MAR 29
MINIMUM DAILY, 0 ON AUG 21
MAXIMUM INSTANTANEOUS,
4.818 AT 06.20 MST ON MAR 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 01 23 N
LONG 114 56 39 W
DRAINAGE AREA, 185 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	119
FEB	---	AUG	113
MAR	4 540	SEP	0
APR	3 970	OCT	0
MAY	848	NOV	---
JUN	140	DEC	---

TOTAL DISCHARGE, 9 730 dam³

COOKING LAKE AT COOKING LAKE - STATION NO. 05EB012

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.735	---	1.667	1.705	---	1.665	---	---	1
2	---	---	---	1.692	1.756	---	1.672	1.705	1.805	1.665	---	---	2
3	---	---	---	---	1.745	---	1.657	1.695	1.805	1.645	---	---	3
4	---	---	---	---	1.736	---	1.627	---	1.805	1.675	---	---	4
5	---	---	---	---	1.725	---	1.657	1.709	1.811	1.665	---	---	5
6	---	---	---	---	1.735	---	1.662	1.715	1.805	1.645	---	---	6
7	---	---	1.627	---	1.726	---	1.659	1.705	1.805	1.675	---	---	7
8	---	---	---	---	1.726	---	1.657	1.715	1.801	1.665	---	---	8
9	---	---	---	---	1.735	1.685	---	1.705	1.801	1.645	---	---	9
10	---	---	---	---	---	1.692	1.667	1.705	1.801	---	---	---	10
11	---	---	---	---	---	---	---	1.705	1.636	1.665	---	---	11
12	---	---	---	---	1.724	1.682	---	1.701	1.636	1.665	---	---	12
13	---	---	---	---	1.745	1.682	1.637	1.701	1.645	1.665	---	---	13
14	---	---	---	---	---	1.677	1.657	1.688	---	1.665	---	---	14
15	---	---	---	---	1.785	1.687	1.657	1.665	1.636	1.661	---	---	15
16	---	---	---	---	1.775	1.677	1.657	1.685	1.636	1.665	---	---	16
17	---	---	---	1.702	1.781	1.677	1.727	1.675	1.636	1.656	---	---	17
18	---	---	---	---	1.781	1.682	1.707	1.665	1.636	1.665	---	---	18
19	---	---	---	---	1.781	1.677	---	1.655	1.636	1.665	---	---	19
20	---	---	---	---	1.756	1.677	1.707	1.655	1.636	1.661	---	---	20
21	---	---	---	---	1.786	1.682	1.707	1.658	1.636	1.661	---	---	21
22	---	---	---	---	1.756	1.677	1.676	1.651	1.636	1.661	---	---	22
23	---	---	---	---	1.786	1.677	1.706	1.648	1.656	1.656	---	---	23
24	---	---	---	---	1.786	1.677	1.701	1.635	1.626	1.661	---	---	24
25	---	---	1.652	---	1.786	1.672	1.701	1.641	1.636	1.661	---	---	25
26	---	---	---	---	1.775	---	1.706	1.641	1.676	1.668	---	---	26
27	---	---	---	---	1.786	1.672	1.706	1.641	1.656	1.665	---	---	27
28	---	---	---	---	1.771	1.667	1.718	1.636	1.656	1.671	---	---	28
29	---		---	---	1.781	1.662	1.706	1.635	1.656	1.666	---	---	29
30	---		---	1.721	---	1.662	1.705	1.636	1.661	1.658	---	---	30
31	---		---		---		1.718	1.626		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 24 59 N
LONG 113 07 15 W

DRAINAGE AREA,
198 km²

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

COTTONWOOD CREEK NEAR TWIN BUTTE - STATION NO. 05AD903

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.300E	0.428	0.386	0.283	0.080	0.047	0.094	0.397	---	---	1
2	---	---	0.300E	0.408	0.377	0.273	0.071	0.048	0.083	0.540	---	---	2
3	---	---	0.300E	0.390	0.411	0.264	0.070	0.043	0.054	0.435	---	---	3
4	---	---	0.379A	0.365	0.733	0.390	0.072	0.048	0.057	0.358	---	---	4
5	---	---	0.300E	0.458	1.26	0.545	0.094	0.051	0.081	0.308	---	---	5
6	---	---	0.300E	0.312	1.30	0.508	0.087	0.049	0.093	0.237	---	---	6
7	---	---	0.300E	0.290	1.14	0.397	0.079	0.047	0.078	0.228	---	---	7
8	---	---	0.300E	0.276	0.764	0.384	0.074	0.045	0.073	0.389	---	---	8
9	---	---	0.300E	0.272	0.600	0.478	0.078	0.051	0.145	0.432	---	---	9
10	---	---	0.300E	0.271	0.538	0.310	0.072	0.047	0.139	0.582	---	---	10
11	---	---	0.330A	0.293	0.510	0.237	0.068	0.045	0.089	0.584	---	---	11
12	---	---	0.300	0.302	0.483	0.194	0.064	0.043	0.076	0.432	---	---	12
13	---	---	0.287	0.371	0.468	0.177	0.063	0.043	0.089	0.354	---	---	13
14	---	---	0.283	0.378	0.505	0.181	0.059	0.042	0.105	0.312	---	---	14
15	---	---	0.278	0.431	0.649	0.218	0.049	0.038	0.114	0.274	---	---	15
16	---	---	0.287	0.541	1.04	0.184	0.060	0.035	0.137	0.259	---	---	16
17	---	---	0.314	0.409	1.14	0.157	0.072	0.035	0.172	0.249	---	---	17
18	---	---	0.301	0.315	0.719	0.127	0.067	0.031	0.356	0.241	---	---	18
19	---	---	0.339	0.288	0.561	0.101	0.058	0.028	0.370	0.229	---	---	19
20	---	---	0.363	0.239	0.491	0.095	0.057	0.029	0.314	0.223	---	---	20
21	---	---	0.390	0.228	0.583	0.086	0.055	0.032	0.263	0.218	---	---	21
22	---	---	0.412	0.250	0.610	0.079	0.055	0.036	0.190	0.216	---	---	22
23	---	---	0.375	0.405	0.495	0.079	0.055	0.036	0.139	0.216	---	---	23
24	---	---	0.371	0.458	0.450	0.076	0.060	0.033	0.118	0.211	---	---	24
25	---	---	0.319	0.532	0.416	0.070	0.058	0.035	0.211	0.205	---	---	25
26	---	---	0.303	0.523	0.402	0.069	0.060	0.037	0.356	0.195	---	---	26
27	---	---	0.298	0.493	0.374	0.074	0.056	0.038	0.282	0.189	---	---	27
28	---	---	0.284	0.426	0.349	0.080	0.054	0.039	0.192	0.1738	---	---	28
29	---		0.395	0.367	0.331	0.087	0.051	0.040	0.170	0.180E	---	---	29
30	---		0.379	0.386	0.714	0.100	0.043	0.062	0.193	0.180E	---	---	30
31	---		0.423		0.295		0.046	0.114		0.180E		---	31
TOTAL	---	---	10.118	11.068	18.662	6.399	1.984	1.346	4.810	9.234	---	---	TOTAL
MEAN	---	---	0.326	0.369	0.602	0.213	0.064	0.043	0.160	0.298	---	---	MEAN
MAX	---	---	0.423	0.541	1.30	0.545	0.094	0.114	0.370	0.584	---	---	MAX
MIN	---	---	0.278	0.229	0.295	0.069	0.043	0.028	0.054	0.173	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.231
MAXIMUM DAILY, 1.30 ON MAY 5
MINIMUM DAILY, 0.028 ON AUG 19

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 08 35 N
LONG 113 50 50 W
DRAINAGE AREA, 34.2 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	171
FEB	---	AUG	116
MAR	874	SEP	416
APR	956	OCT	798
MAY	1 610	NOV	---
JUN	553	DEC	---

TOTAL DISCHARGE, 3 660 dam³

COYOTE CREEK NEAR CHERHILL - STATION NO 07BB014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.30 B	0.482	0.238	0.018	0	0.112	0	0.015	0.005	---	1
2	---	---	1.20 B	0.356	0.288	0.015	0	0.080	0	0.017	0.005	---	2
3	---	---	1.10 B	0.282	0.288	0.012	0	0.051	0	0.019	0.005	---	3
4	---	---	1.01 B	0.207	0.244	0.010	0	0.051	0	0.021	0.005	---	4
5	---	---	0.860B	0.143	0.197	0.008	0	0.041	0	0.024	0.005	---	5
6	---	---	0.311B	0.096	0.148	0.006	0	0.039	0	0.027	0.005A	---	6
7	---	---	0.554B	0.068	0.105	0.005	0	0.035	0	0.029	---	---	7
8	---	---	0.437B	0.059	0.084	0.004	0	0.027	0	0.033	---	---	8
9	---	---	0.330B	0.053	0.077	0.003	0	0.022	0	0.033	---	---	9
10	---	---	0.205B	0.047	0.069	0.003	0	0.020	0	0.030	---	---	10
11	---	---	0.085B	0.040	0.060	0.003	0	0.018	0	0.026	---	---	11
12	---	---	0.090B	0.040	0.055	0.002	0	0.015	0	0.023	---	---	12
13	---	---	0.105B	0.042	0.051	0.002	0.001	0.013	0	0.021	---	---	13
14	---	---	0.140B	0.040	0.059	0.001	0.002	0.012	0	0.020	---	---	14
15	---	---	0.200B	0.036	0.067	0.002	0.003	0.012	0	0.019	---	---	15
16	---	---	0.271B	0.040	0.080	0.002	0.021	0.006	0	0.018	---	---	16
17	---	---	0.341B	0.069	0.137	0.002	0.548	0.004	0	0.016	---	---	17
18	---	---	0.412B	0.101	0.145	0.001	4.48	0.004	0	0.015	---	---	18
19	---	---	0.463B	0.168	0.126	0.003	6.17	0.004	0	0.013	---	---	19
20	---	---	0.554B	0.226	0.098	0.002	3.92	0.004	0	0.012	---	---	20
21	---	---	0.624B	0.228	0.080	0.002	2.37	0.003	0	0.012	---	---	21
22	---	---	0.695B	0.212	0.074	0.001	1.54	0.003	0	0.011	---	---	22
23	---	---	0.766B	0.208	0.062	0	1.04	0.002	0	0.010	---	---	23
24	---	---	0.836B	0.220	0.057	0	0.734	0.002	0	0.010	---	---	24
25	---	---	0.907B	0.240	0.055	0	0.545	0.001	0.001	0.009	---	---	25
26	---	---	0.675B	0.242	0.053	0	0.435	0	0.001	0.009	---	---	26
27	---	---	0.628B	0.218	0.044	0	0.343	0	0.003	0.009	---	---	27
28	---	---	0.607B	0.190	0.040	0	0.290	0	0.004	0.008	---	---	28
29	---		0.651B	0.172	0.035	0	0.260	0	0.012	0.008	---	---	29
30	---		0.621B	0.185	0.028	0	0.204	0	0.013	0.008	---	---	30
31	---		0.638		0.021		0.181	0		0.006		---	31
TOTAL	---	---	18.136	4.706	3.177	0.107	23.076	0.591	0.034	0.531	---	---	TOTAL
MEAN	---	---	0.585	0.157	0.102	0.004	0.744	0.019	0.001	0.017	---	---	MEAN
MAX	---	---	1.30	0.482	0.288	0.018	6.17	0.112	0.013	0.033	---	---	MAX
MIN	---	---	0.085	0.036	0.021	0	0	0	0	0.006	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.206
MAXIMUM DAILY, 6.17 ON JUL 19
MINIMUM DAILY, 0 ON JUN 23
MAXIMUM INSTANTANEOUS,
7.12 AT 21:49 MST ON JUL 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 52 22 N
LONG 114 40 10 W
DRAINAGE AREA, 57.8 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 990
FEB	---	AUG	91.1
MAR	1 570	SEP	2.84
APR	407	OCT	46.8
MAY	274	NOV	---
JUN	9.24	DEC	---

TOTAL DISCHARGE, 4 350 dam³

CRESSDAY RESERVOIR NEAR CRESSDAY - STATION NO. 11AB097

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	983.986	---	---	---	---	---	---	---	---	3
4	---	983.322	---	---	---	983.927	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	983.857	---	---	---	---	---	---	---	7
8	983.338	---	983.915E	983.938E	983.880E	983.928E	983.804E	983.639E	983.498E	984.047E	---	---	8
9	---	---	---	983.932	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	983.930	---	---	---	---	---	---	10
11	---	---	984.072	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	983.789	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	983.987	---	---	16
17	---	---	---	---	---	---	---	---	983.479	---	---	---	17
18	---	---	984.018E	983.908E	983.862E	983.890E	983.782E	983.678E	983.488E	983.862E	---	---	18
19	---	---	984.009	---	---	---	---	983.572	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	983.742	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	983.859	---	---	983.536	---	---	---	24
25	---	983.332	---	---	---	---	983.722	---	---	---	---	---	25
26	---	---	---	---	---	---	---	983.527	984.572	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	983.494E	983.980E	983.874E	---	983.845E	---	---	984.350E	---	---	---	28
29	983.324	---	---	---	983.911E	---	983.899E	983.520E	---	983.966E	---	---	29
30	---	---	---	983.859	---	---	---	---	984.133	983.965	---	---	30
31	---		983.972E	983.868E	---	983.832E	---	---	984.097	---	---	---	31
					983.919E		983.681E	983.513E		983.962E			
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 984.572 ON SEP 25
MINIMUM DAILY, 983.322 ON FEB 4

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 14 02 N
LONG 110 15 40 W

E - ESTIMATED

REGULATED

DRAINAGE AREA,
54.6 km²

CROWFOOT CREEK NEAR CLUNY - STATION NO. 05BM008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	1.43 B	0.156	0.038	0.778	0.970	1.92	1.08	5.29	0.082	---	1
2	---	0 B	1.31 B	0.144	0.032	0.775	1.24	1.81	1.14	3.80	0.082	---	2
3	---	0 B	1.76 B	0.115	0.018	0.768	1.27	1.70	1.20	2.65	0.139	---	3
4	---	0 B	0.9718	0.089	0.010	0.643	1.14	1.61	1.22	1.85	0.178A	---	4
5	---	0 B	0.5028	0.085	0.032	0.424	1.24	1.47	1.25	1.40	---	---	5
6	---	0 B	0.1048	0.085	0.041	0.347	1.18	1.28	1.28	1.16	---	---	6
7	---	0 B	0.1218	0.089	0.042	0.833	1.05	1.18	1.34	1.01	---	---	7
8	---	0 B	0.1238	0.089	0.039	1.34	0.932	1.12	1.33	0.901	---	---	8
9	---	0 B	0.1338	0.049	0.123	0.951	0.924	1.07	1.38	0.788	---	---	9
10	---	0 B	0.1488	0.065	0.188	0.989	1.12	1.00	1.42	0.684	---	---	10
11	---	0 B	0.2138	0.060	0.144	0.843	1.20	0.885	1.39	0.636	---	---	11
12	---	0 B	0.2318	0.042	0.100	0.884	1.15	0.778	1.40	0.584	---	---	12
13	---	0 B	0.2498	0.045	0.052	0.720	1.26	0.775	1.43	0.524	---	---	13
14	---	0 B	0.2368	0.046	0.238	0.590	1.26	0.813	1.34	0.462	---	---	14
15	---	0 B	0.2128	0.046	0.545	0.688	1.22	0.832	1.26	0.327	---	---	15
16	---	0 B	0.1888	0.038	0.821	0.804	1.21	0.884	1.25	0.218	---	---	16
17	---	0 B	0.2358	0.030	1.99	0.814	1.49	0.927	1.21	0.140	---	---	17
18	---	0 B	0.2218	0.021	3.11	0.717	1.68	0.942	1.25	0.117	---	---	18
19	---	0 B	0.1788	0.013	2.56	0.814	1.87	0.928	1.48	0.110	---	---	19
20	---	0 B	0.1908	0.010	1.87	0.984	2.18	0.985	1.50	0.140	---	---	20
21	---	0 B	0.1538	0.007	1.28	1.03	2.37	0.958	1.48	0.228	---	---	21
22	---	0 B	0.1828	0.003	0.872	0.879	2.38	0.948	1.37	0.250	---	---	22
23	---	0 B	0.2118	0.004	0.615	0.787	2.23	0.880	1.23	0.206	---	---	23
24	---	0 B	0.1688	0.008	0.492	0.690	1.88	0.821	1.18	0.168	---	---	24
25	---	0.0018	0.2148	0.014	0.765	0.685	1.78	0.887	2.08	0.152	---	---	25
26	---	0.0058	0.201	0.034	0.857	0.482	2.01	1.05	3.43	0.133	---	---	26
27	---	0.2008	0.178	0.042	0.718	0.651	2.07	1.11	5.95	0.109	---	---	27
28	---	0.8398	0.169	0.040	0.590	0.531	1.96	1.01	8.30	0.098	---	---	28
29	---		0.158	0.044	0.493	0.692	1.63	0.976	10.6	0.101	---	---	29
30	---		0.148	0.040	0.595	0.826	1.62	1.02	9.82	0.079	---	---	30
31	---		0.159		0.804		1.82	1.07		0.081		---	31
TOTAL	---	1.046	10.717	1.533	20.363	23.969	47.636	33.430	71.58	25.480	---	---	TOTAL
MEAN	---	0.037	0.346	0.051	0.657	0.765	1.54	1.08	2.39	0.821	---	---	MEAN
MAX	---	0.838	1.76	0.156	3.11	1.34	2.38	1.92	10.6	5.29	---	---	MAX
MIN	---	0	0.108	0.003	0.010	0.347	0.924	0.775	1.08	0.078	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.855
MAXIMUM DAILY, 10.6 ON SEP 29
MINIMUM DAILY, 0.003 ON APR 22
MAXIMUM INSTANTANEOUS,
11.3 AT 17:08 MST ON SEP 29

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 50 00 N
LONG 112 45 40 W
DRAINAGE AREA, 1 360 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1914

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	4 130
FEB	90.3	AUG	2 910
MAR	926	SEP	6 190
APR	132	OCT	2 200
MAY	1 760	NOV	---
JUN	1 980	DEC	---

TOTAL DISCHARGE, 20 200 dam³

CROWSNEST RIVER AT FRANK - STATION NO. 05AA008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.95B	1.74B	6.24	5.41	7.35	28.3	7.15	3.58	2.39	3.30	2.95	3.16	1
2	1.92B	1.70B	5.72	5.14	7.26	26.3	6.94	3.49	2.35	3.24	2.91	3.07	2
3	1.90B	1.68B	5.39	4.89	8.66	23.6	7.12	3.45	2.26	3.13	2.79	2.43	3
4	1.77B	1.62B	5.14	4.86	11.8	20.6	6.96	3.34	2.21	3.06	2.74	2.36	4
5	1.70B	1.51B	4.95	4.90	12.9	18.4	6.81	3.38	2.35	3.13	2.84	2.60	5
6	1.89B	1.56B	4.54	4.98	12.1	17.7	6.13	3.24	2.29	3.38	2.88	2.37	6
7	1.85B	1.43B	4.60	5.23	11.2	16.2	5.82	3.13	2.24	3.68	2.73	2.40B	7
8	1.79B	1.42B	4.88	5.69	10.8	15.0	6.02	3.14	2.30	3.95	2.20B	2.56	8
9	1.78B	1.38B	4.50	5.57	10.7	14.3	6.06	3.12	2.49	4.10	1.97B	2.15	9
10	1.85B	1.34B	4.30	7.20	10.5	14.6	5.84	3.05	2.54	4.20	1.80B	2.00	10
11	1.80B	1.30B	4.13	6.93	10.2	14.6	5.51	2.97	2.82	4.11	1.81B	2.01	11
12	1.76B	1.27B	4.06	6.23	9.59	14.0	5.38	2.88	2.62	3.95	1.67B	2.03	12
13	1.75B	1.25B	3.99	6.01	8.78	13.0	5.13	2.94	2.61	3.77	1.92B	1.96	13
14	1.76B	1.23B	3.86	6.06	8.18	12.4	4.93	2.85	2.58	3.64	2.06	1.95	14
15	1.73B	1.22B	3.84	5.96	8.63	12.7	4.80	2.70	2.56	3.58	2.15	1.94	15
16	1.76B	1.21B	3.81	5.85	8.39	11.8	4.81	2.66	2.57	3.46	2.36	1.89	16
17	1.76B	1.21B	3.54	5.64	8.20	10.9	4.89	2.62	2.57	3.39	2.51	1.87	17
18	1.82B	1.20B	3.42	5.53	8.27	10.9	4.62	2.51	2.69	3.31	2.63	1.81	18
19	2.65B	1.20B	3.38	5.53	9.48	10.5	4.39	2.36	2.69	3.32	2.78	1.77	19
20	2.46B	1.30B	3.37	5.89	13.2	9.64	4.33	2.34	2.65	3.26	2.95	1.84	20
21	2.19B	1.45B	3.52	6.82	21.1	8.80	4.22	2.30	2.63	3.14	3.10	1.89	21
22	1.98B	1.65B	3.60	12.3	18.7	8.22	4.22	2.28	2.56	3.03	3.11	1.99	22
23	2.08B	1.68B	3.48	14.6	14.3	7.98	4.26	2.26	2.53	3.03	3.20	2.09	23
24	1.95B	2.56B	3.43	12.0	12.0	8.11	4.22	2.23	2.58	2.99	4.41	2.13	24
25	1.70B	8.92B	3.40	10.7	11.6	8.13	4.32	2.23	2.79	2.92	4.40	2.10	25
26	1.71B	9.56B	3.34	9.73	15.4	8.00	4.18	2.15	3.18	2.86	4.04	2.13	26
27	2.03B	6.88	3.94	9.13	24.8	7.74	4.21	2.11	2.94	2.99	3.79	2.11	27
28	1.87B	6.40	5.47	8.79	32.9	7.48	4.03	2.07	2.82	3.07	3.44	2.07	28
29	1.79B		6.73	8.26	34.1	8.10	3.89	2.06	2.77	3.03	2.80	2.09	29
30	1.76B		6.64	7.82	32.3	7.64	3.76	2.35	2.89	3.07	2.74	2.09	30
31	1.78B		6.11		30.2		3.65	2.45		2.99		1.81	31
TOTAL	58.48	66.87	137.14	214.65	445.70	385.64	158.20	84.24	77.47	104.10	83.88	66.67	TOTAL
MEAN	1.89	2.39	4.42	7.16	14.4	13.2	5.10	2.72	2.58	3.36	2.80	2.15	MEAN
MAX	2.65	9.56	6.73	14.6	34.1	28.3	7.15	3.58	3.18	4.20	4.41	3.16	MAX
MIN	1.70	1.20	3.34	4.86	7.26	7.48	3.65	2.06	2.21	2.86	1.80	1.77	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.19
MAXIMUM DAILY, 34.1 ON MAY 29
MINIMUM DAILY, 1.20B ON FEB 18
MAXIMUM INSTANTANEOUS,
34.9 AT 00:55 MST ON MAY 29

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 35 49 N
LONG 114 24 33 W
DRAINAGE AREA, 402 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	5 050	JUL	13 700
FEB	5 780	AUG	7 280
MAR	11 800	SEP	6 690
APR	18 500	OCT	8 990
MAY	38 500	NOV	7 250
JUN	34 200	DEC	5 760

TOTAL DISCHARGE, 164 000 dam³

CUTBANK RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.885B	3.80B	4.75	15.1	5.74	3.85	1.32	18.5	---	---	1
2	---	---	0.925B	2.87B	4.30	12.6	5.01	3.52	1.32	12.3	---	---	2
3	---	---	1.28 B	2.93B	4.69	10.6	4.34	3.25	1.43	9.61	---	---	3
4	---	---	1.66 B	3.80B	14.3	9.19	3.91	3.36	1.86	12.5	---	---	4
5	---	---	2.71 B	4.19B	24.1	8.35	8.65	3.05	3.49	14.7	---	---	5
6	---	---	1.35 B	5.80B	25.9	7.81	13.6	2.75	2.69	12.4	---	---	6
7	---	---	1.50 B	6.87B	25.1	7.39	13.1	2.56	2.13	8.83	---	---	7
8	---	---	1.53 B	10.8 B	24.1	7.06	11.0	2.43	1.85	6.96	---	---	8
9	---	---	1.62 B	15.9 B	21.8	6.45	11.1	2.35	1.69	5.86	---	---	9
10	---	---	1.20 B	11.5 B	16.5	6.08	9.24	2.26	1.55	5.17	---	---	10
11	---	---	0.922B	11.3 B	15.1	6.25	7.63	2.18	1.64	4.71	---	---	11
12	---	---	0.898B	10.8 B	12.5	6.34	6.19	2.05	2.05	4.37	---	---	12
13	---	---	0.889B	10.5 B	11.8	5.70	5.38	1.91	2.08	3.87	---	---	13
14	---	---	0.892B	10.6 B	10.5	5.42	5.03	1.78	2.04	3.63	---	---	14
15	---	---	0.988B	11.5 B	10.1	12.5	4.62	1.70	2.02	3.39	---	---	15
16	---	---	1.05 B	15.7	11.3	30.3	16.2	1.67	2.00	3.18	---	---	16
17	---	---	0.943B	17.5	11.9	18.1	43.1	1.66	2.00	2.95	---	---	17
18	---	0.454B	0.904B	19.2	18.9	13.1	86.1	1.59	2.08	2.82	---	---	18
19	---	0.349B	0.949B	16.6	25.6	12.4	36.6	1.84	2.06	2.69	---	---	19
20	---	0.417B	1.40 B	16.8	27.8	10.4	20.4	1.82	1.94	2.63	---	---	20
21	---	0.388B	2.33 B	16.6	28.2	8.47	13.2	1.56	1.82	2.54	---	---	21
22	---	0.366B	4.71 B	11.7	26.2	7.08	9.85	1.51	1.74	2.50	---	---	22
23	---	0.362B	4.50 B	7.89	22.1	6.79	8.36	1.46	1.69	2.36	---	---	23
24	---	0.374B	3.65 B	6.03	20.8	6.83	10.6	1.40	1.66	2.32	---	---	24
25	---	0.386B	3.18 B	4.83	23.6	5.90	8.43	1.42	2.12	2.27	---	---	25
26	---	0.501B	2.18 B	4.83	31.3	5.21	7.15A	1.48	7.88	2.26	---	---	26
27	---	0.570B	3.85 B	5.49	35.2	4.78	6.33A	1.42	11.2	2.28	---	---	27
28	---	0.753B	4.56 B	6.01	30.0	4.56	5.58A	1.34	6.04	2.43	---	---	28
29	---		4.18 B	5.51	25.8	4.49	5.06A	1.30	11.1	2.42A	---	---	29
30	---		4.23 B	7.88	21.5	5.93	4.75A	1.31	23.6	2.40E	---	---	30
31	---		3.90 B		18.4		4.43	1.33		2.38E		---	31
TOTAL	---	---	85.765	286.83	604.44	271.19	381.69	82.73	110.09	167.44	---	---	TOTAL
MEAN	---	---	2.12	9.56	19.5	9.04	12.3	2.02	3.67	5.40	---	---	MEAN
MAX	---	---	4.71	19.2	35.2	30.3	86.1	3.85	23.6	18.5	---	---	MAX
MIN	---	---	0.885	2.87	4.30	4.49	3.91	1.30	1.32	2.26	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.96
MAXIMUM DAILY, 86.1 ON JUL 18
MINIMUM DAILY, 0.885B ON MAR 1
MAXIMUM INSTANTANEOUS,
79.3 AT 10:00 MST ON JUL 18

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 30 57 N
LONG 118 57 47 W
DRAINAGE AREA, 844 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	33 000
FEB	---	AUG	5 420
MAR	5 680	SEP	9 510
APR	24 800	OCT	14 500
MAY	52 200	NOV	---
JUN	23 400	DEC	---

TOTAL DISCHARGE, 169 000 dam³

DAPP CREEK AT HIGHWAY NO. 44 - STATION NO. 07BC006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.004B	2.80B	1.24	0.58E	0.05OE	5.54	1.70 E	0.96B	0.27OE	---	1
2	---	---	0.004B	2.11B	1.25	0.49E	0.04SE	5.50	1.57	0.93B	0.40OE	---	2
3	---	---	0.004B	2.06	1.26	0.51E	0.04OE	5.43	1.45 E	0.88B	0.45E	---	3
4	---	---	0.004B	2.35	1.28	0.23E	0.04OE	5.58	1.35 E	0.87SE	---	---	4
5	---	---	0.004B	2.44	1.36	0.21E	0.04OE	5.58	1.21	0.86SE	---	---	5
6	---	---	0.004B	2.48	1.33	0.21E	0.04OE	5.57	1.15 E	0.84B	---	---	6
7	---	---	0.004B	3.15	1.32	0.24OE	0.04OE	5.48	1.10 E	0.82BE	---	---	7
8	---	---	0.004B	3.05	1.31	0.25OE	0.04OE	5.36	1.05	0.80B	---	---	8
9	---	---	0.004B	2.87	1.31	0.35OE	0.04OE	5.24	0.99I	0.67B	---	---	9
10	---	---	0.004B	2.48	1.30	0.46E	0.04OE	5.20	0.95SE	0.80B	---	---	10
11	---	---	0.007B	2.59	1.29	0.46E	0.05OE	4.95	0.91B	0.58B	---	---	11
12	---	---	0.010B	2.92	1.24	0.40OE	0.08OE	4.77	0.85SE	0.54I	---	---	12
13	---	---	0.013B	2.43	1.19	0.24OE	0.10I	4.69	0.79I	0.54I	---	---	13
14	---	---	0.016B	2.46	1.17	0.13OE	0.12A	4.58	0.71SE	0.54B	---	---	14
15	---	---	0.020B	2.34	1.13	0.06OE	0.11B	4.50	0.63B	0.54B	---	---	15
16	---	---	0.025B	2.32	1.02	0.05OE	0.21B	3.94	0.60SE	0.54OE	---	---	16
17	---	---	0.030B	2.25	0.91B	0.04SE	1.52	3.78	0.58I	0.50OE	---	---	17
18	---	---	0.040B	2.01	0.88B	0.04SE	2.88	3.56	0.52B	0.47OE	---	---	18
19	---	---	0.060B	1.87	0.83A	0.04SE	2.95	3.42	0.48OE	0.44A	---	---	19
20	---	---	0.100B	1.82	0.77A	0.05A	2.95	3.29	0.44A	0.42A	---	---	20
21	---	---	0.220B	1.73	0.76A	0.02I	3.00	3.14	0.41B	0.37B	---	---	21
22	---	---	0.350B	1.66	0.76I	0.02IE	3.23	2.95	0.42B	0.33B	---	---	22
23	---	---	0.387B	1.52	0.74B	0.02IE	3.39	2.84	0.41I	0.31I	---	---	23
24	---	---	0.340B	1.51	0.73B	0.02IE	4.06	2.72	0.42I	0.30I	---	---	24
25	---	---	0.300B	1.39	0.69I	0.03OE	4.88	2.64	0.50OE	0.26B	---	---	25
26	---	---	0.380B	1.30	0.66I	0.05OE	4.77	2.54	0.98I	0.25B	---	---	26
27	---	---	0.455B	1.33	0.64I	0.06OE	5.34	2.51	1.11	0.25B	---	---	27
28	---	---	0.335B	1.35	0.62I	0.05SE	5.43	2.35	1.00 E	0.25I	---	---	28
29	---		0.858B	1.33	0.60IB	0.05OE	5.56	1.80E	0.91A	0.26I	---	---	29
30	---		3.23 B	1.29	0.57I	0.05OE	5.60	1.59	0.91O	0.25I	---	---	30
31	---		4.37 B		0.54B		5.61	1.88		0.24I	---	---	31
TOTAL	---	---	11.606	63.31	30.766	5.482	62.072	122.84	26.173	16.516	---	---	TOTAL
MEAN	---	---	0.374	2.11	0.992	0.183	2.00	3.96	0.872	0.533	---	---	MEAN
MAX	---	---	4.37	3.15	1.3E	0.56B	5.61	5.58	1.70	0.96B	---	---	MAX
MIN	---	---	0.004	1.28	0.54B	0.027	0.040	1.59	0.411	0.243	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.36
MAXIMUM DAILY, 5.61 ON JUL 31
MINIMUM DAILY, 0.0048 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 18 30 N
LONG 113 50 55 W
DRAINAGE AREA, 563 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5 360
FEB	---	AUG	10 600
MAR	1 000	SEP	2 260
APR	5 470	OCT	1 430
MAY	2 660	NOV	---
JUN	474	DEC	---

TOTAL DISCHARGE, 29 300 dam³

DEADFISH INFLOW CANAL NEAR CESSFORD - STATION NO. 05CH012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0E	0	0	0.001	0.692	0.076	0.026	0.004	0.657A	---	1
2	---	---	0E	0	0.433	0.053	0.731	0.079	0	0.009	0.595E	---	2
3	---	---	0A	0	1.17	0.112	0.725	0.083	0	0.008	0.533E	---	3
4	---	---	0	0	0.902	0.108	0.777	0.086	0	0.007	0.471E	---	4
5	---	---	0	0	0.946	0.114	0.853	0.092	0	0.002	0.409E	---	5
6	---	---	0	0	1.05	0.275	0.784	0.102	0	0.004	0.347A	---	6
7	---	---	0	0	1.03	0.343	0.763	0.102	0	0.001	0.347E	---	7
8	---	---	0	0	1.02	0.321	0.891	0.196	0.001	0.001	0 E	---	8
9	---	---	0	0	1.00	0.283	0.738	0.228	0.005	0.002	0 E	---	9
10	---	---	0	0	1.86	0.118	0.766	0.235	0.049	0.006	0 E	---	10
11	---	---	0	0	0.982	0.113	0.678	0.255	0.103	0.002	0 E	---	11
12	---	---	0	0	0.969	0.109	0.672	0.317	0.040	0.002	0 E	---	12
13	---	---	0	0	0.945	0.107	0.542	0.274	0.008	0.002	0 E	---	13
14	---	---	0	0	0.841	0.107	0.181	0.269	0.001	0.002	0 E	---	14
15	---	---	0	0	0.277	0.103	0.157	0.268	0	0.002	0 E	---	15
16	---	---	0	0	0.064	0.100	0.115	0.276	0	0.002	0 E	---	16
17	---	---	0	0	0.025	0.099	0.214	0.255	0	0.002	0 E	---	17
18	---	---	0	0	0.012	0.563	0.220	0.255	0	0.002	0 E	---	18
19	---	---	0	0	0.006	0.687	0.127	0.266	0	0.002	0 E	---	19
20	---	---	0	0	0.002	0.728	0.105	0.259	0	0.003	0 E	---	20
21	---	---	0	0	0.001	0.755	0.148	0.291	0	0.003	0 E	---	21
22	---	---	0	0	0.001	0.756	0.178	0.275	0.001	0.004	0 E	---	22
23	---	---	0	0	0	0.754	0.130	0.185	0.001	0.003	0 E	---	23
24	---	---	0	0	0.072	0.777	0.078	0.142	0	0.003	0 E	---	24
25	---	---	0	0	0.197	0.739	0.074	0.126	0.249	0.004	0 E	---	25
26	---	---	0	0	0.153	0.723	0.089	0.078	0.095	0.004	0 E	---	26
27	---	---	0	0	0.072	0.728	0.070	0.005	0.027	0.005	0 E	---	27
28	---	---	0	0	0.012	0.762	0.059	0.001	0.016	0.005	0 E	---	28
29	---		0	0	0.003	0.756	0.057	0.007	0.007	0.004	0 E	---	29
30	---		0	0	0.003	0.754	0.033	0.037	0.004	0.140	0 E	---	30
31	---		0		0.001		0.036	0.052		0.523		---	31
TOTAL	---	--	0	0	13.189	11.850	11.460	5.182	0.634	8.763	3.359	---	TOTAL
MEAN	---	---	0	0	0.425	0.398	0.370	0.167	0.021	0.025	0.112	---	MEAN
MAX	---	---	0	0	1.17	0.777	0.853	0.317	0.249	0.523	0.657	---	MAX
MIN	---	---	0	0	0	0.001	0.033	0.001	0	0.001	0	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.178
MAXIMUM DAILY, 1.17 ON MAY 3
MINIMUM DAILY, 0E ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 00 53 N
LONG 111 48 32 W

A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	890
FEB	---	AUG	448
MAR	0	SEP	54.8
APR	0	OCT	65.9
MAY	1 140	NOV	290
JUN	1 030	DEC	---

TOTAL DISCHARGE, 3 730 dam³

DEEP VALLEY CREEK NEAR VALLEYVIEW - STATION NO. 07GF008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.629B	2.94B	6.97	7.91	3.41	4.25	1.08	17.7	---	---	1
2	---	---	0.712B	2.52B	6.59	7.02	3.04	3.70	1.38	13.9	---	---	2
3	---	---	0.764B	3.54B	7.08	6.17	2.79	3.20	2.14	11.6	---	---	3
4	---	---	1.14 B	4.40B	11.3	5.52	2.85	3.02	2.44	20.0	---	---	4
5	---	---	1.30 B	4.75B	15.5	4.97	4.67	2.88	3.34	28.1	---	---	5
6	---	---	1.01 B	5.65B	20.2	4.75	7.24	2.73	2.75	26.4	---	---	6
7	---	---	0.924B	6.09B	20.4	4.98	7.94	2.29	2.10	18.4	---	---	7
8	---	---	0.935B	7.77B	21.8	5.00	6.96	1.96	1.79	13.7	---	---	8
9	---	---	0.957B	8.95B	22.4	4.45	6.89	1.89	1.61	10.7	---	---	9
10	---	---	0.948B	8.51B	19.6	4.13	6.75	1.78	1.71	8.94	---	---	10
11	---	---	0.884B	6.50B	19.7	7.17	9.82	1.66	2.51	7.82	---	---	11
12	---	---	0.848B	5.92B	17.9	7.82	8.29	1.53	3.16	7.02	---	---	12
13	---	---	0.872B	6.18B	18.3	6.28	6.88	1.45	2.98	6.34	---	---	13
14	---	---	0.856B	6.03B	14.2	5.34	6.38	1.36	2.86	5.83	---	---	14
15	---	---	0.848B	5.80B	12.3	9.67	6.35	1.31	2.74	5.33	---	---	15
16	---	---	0.856B	5.18B	12.3	19.8	30.4	1.28	2.78	4.80	---	---	16
17	---	---	0.856B	6.12B	14.6	14.2	41.0	1.26	2.89	4.50	---	---	17
18	---	---	0.880B	7.45B	18.3	10.7	59.6	1.22	2.83	4.16	---	---	18
19	---	---	0.935B	8.34B	20.5	10.0	38.7	1.24	2.52	3.94	---	---	19
20	---	---	1.48 B	9.76B	21.6	8.10	24.4	1.22	2.18	3.70	---	---	20
21	---	---	1.82 B	10.8 B	20.6	6.61	16.8	1.20	1.98	3.54	---	---	21
22	---	---	1.97 B	9.02B	18.9	5.62	11.7	1.17	1.82	3.37	---	---	22
23	---	---	1.86 B	7.45B	21.7	5.14	9.67	1.16	1.80	3.15	---	---	23
24	---	0.688B	1.31 B	7.37B	19.5	5.40	9.59	1.15	1.77	3.01	---	---	24
25	---	0.645B	1.12 B	7.36	18.0	4.90	7.78	1.16	2.03	2.92	---	---	25
26	---	0.650B	1.67 B	7.16	17.9	4.37	6.71	1.17	5.38	2.88	---	---	26
27	---	0.594B	3.09 B	8.18	17.0	4.02	6.47	1.12	8.80	2.79	---	---	27
28	---	0.584B	3.49 B	9.50	14.9	4.35	6.00	1.08	7.38	2.81A	---	---	28
29	---		3.70 B	10.1	12.5	3.78	5.92	1.10	9.56	2.60E	---	---	29
30	---		3.54 B	8.31	10.8	3.51	5.27	1.16	14.8	2.40E	---	---	30
31	---		2.79 B		9.16		4.98	1.09		2.20E		---	31
TOTAL	---	---	44.972	207.63	500.70	201.68	375.45	53.80	103.12	254.55	---	---	TOTAL
MEAN	---	---	1.45	6.92	16.2	6.72	12.1	1.74	3.44	8.21	---	---	MEAN
MAX	---	---	3.70	10.8	22.4	19.8	59.6	4.25	14.8	28.1	---	---	MAX
MIN	---	---	0.629	2.52	6.59	3.51	2.79	1.08	1.08	2.20	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.11
MAXIMUM DAILY, 59.6 ON JUL 18
MINIMUM DAILY, 0.629B ON MAR 1
MAXIMUM INSTANTANEOUS,
63.5 AT 06:00 MST ON JUL 18

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 25 45 N
LONG 117 43 10 W
DRAINAGE AREA, 637 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	32 400
FEB	---	AUG	4 650
MAR	3 880	SEP	8 910
APR	17 900	OCT	22 000
MAY	43 300	NOV	---
JUN	17 400	DEC	---

TOTAL DISCHARGE, 150 000 dam³

DEER CREEK (MAIN STEM) NEAR SUNDRE - STATION NO. 05CA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.003	0.005E	0.086	0.130	0.090	0.037	0.147	0.053	---	1
2	---	---	---	0.002	0.009A	0.062	0.125	0.085	0.034	0.144	0.054	---	2
3	---	---	---	0.003	0.027	0.059	0.121	0.083	0.037	0.144	0.051	---	3
4	---	---	---	0.007	0.126	0.058	0.113	0.079	0.043	0.146	0.050	---	4
5	---	---	---	0.010	0.129	0.057	0.116	0.085	0.050	0.142	0.047A	---	5
6	---	---	---	0.012	0.095	0.056	0.092	0.078	0.037	0.140	---	---	6
7	---	---	---	0.011	0.075	0.061	0.081	0.071	0.032	0.143	---	---	7
8	---	---	---	0.014	0.062	0.070	0.077	0.067	0.030	0.145	---	---	8
9	---	---	---	0.011	0.054	0.063	0.100	0.075	0.029	0.145	---	---	9
10	---	---	---	0.007	0.063	0.054	0.088	0.079	0.031	0.141	---	---	10
11	---	---	---	0.005E	0.070	0.053	0.071	0.081	0.033	0.135	---	---	11
12	---	---	---	0.004E	0.070	0.051	0.079	0.083	0.030	0.129	---	---	12
13	---	---	---	0.004E	0.054	0.049	0.102	0.076	0.028	0.123	---	---	13
14	---	---	---	0.005E	0.043	0.048	0.074	0.071	0.029	0.117	---	---	14
15	---	---	---	0.005E	0.040	0.048	0.121	0.066	0.028	0.111	---	---	15
16	---	---	---	0.006E	0.052	0.043	0.126	0.062	0.031	0.104	---	---	16
17	---	---	---	0.006E	0.153	0.039	0.533	0.059	0.055	0.099	---	---	17
18	---	---	---	0.008E	0.288	0.040	0.368	0.056	0.055	0.094	---	---	18
19	---	---	---	0.009E	0.277	0.037	0.310	0.055	0.052	0.090	---	---	19
20	---	---	---	0.010E	0.134	0.033	0.281	0.051	0.060	0.088	---	---	20
21	---	---	---	0.009E	0.196	0.029	0.237	0.048	0.058	0.082	---	---	21
22	---	---	---	0.008E	0.187	0.027	0.208	0.043	0.052	0.078	---	---	22
23	---	---	---	0.008E	0.126	0.027	0.202	0.042	0.048	0.076	---	---	23
24	---	---	---	0.007A	0.107	0.027	0.170	0.048	0.044	0.072	---	---	24
25	---	---	---	0.006	0.102	0.026	0.150	0.048	0.103	0.068	---	---	25
26	---	---	---	0.009	0.095	0.027	0.182	0.040	0.135	0.066	---	---	26
27	---	---	0.018	0.013	0.086	0.026	0.136	0.037	0.124	0.064	---	---	27
28	---	---	0.012	0.012	0.081	0.038	0.116	0.034	0.125	0.060	---	---	28
29	---		0.008	0.009	0.077	0.182	0.138	0.032	0.130	0.057	---	---	29
30	---		0.005	0.006A	0.073	0.191	0.109	0.083	0.135	0.055	---	---	30
31	---		0.003		0.088		0.097	0.042		0.053	---	---	31
TOTAL	---	---	---	0.229	3.025	1.647	4.833	1.831	1.718	3.258	---	---	TOTAL
MEAN	---	---	---	0.008	0.098	0.055	0.156	0.062	0.057	0.105	---	---	MEAN
MAX	---	---	---	0.014	0.288	0.191	0.533	0.090	0.136	0.147	---	---	MAX
MIN	---	---	---	0.002	0.005	0.026	0.071	0.032	0.028	0.053	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.078
MAXIMUM DAILY, 0.533 ON JUL 17

MAXIMUM INSTANTANEOUS,
0.815 AT 16:15 MST ON JUL 17

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 39 25 N
LONG 115 08 00 W
DRAINAGE AREA, 5.44 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	418
FEB	---	AUG	187
MAR	---	SEP	148
APR	19.8	OCT	281
MAY	261	NOV	---
JUN	142	DEC	---

TOTAL DISCHARGE, 1 640 dam³

BEARLICK CREEK NEAR HINTON - STATION NO. 07AF004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.0500	0.0610	0.207	0.157	0.330	0.045	0.654	0.1080	---	1
2	---	---	---	0.0400	0.0900	0.249	0.115	0.291	0.045	0.527	0.1060	---	2
3	---	---	---	0.0270	0.1460	0.209	0.101	0.260	0.055	0.457	0.1030	---	3
4	---	---	---	0.0300	0.2930	0.193	0.097	0.230	0.290	0.716	0.1000	---	4
5	---	---	---	0.0300	0.4010	0.189	0.239	0.222	0.260	0.924	0.0984	---	5
6	---	---	---	0.0400	0.5980	0.211	0.277	0.188	0.138	0.961	---	---	6
7	---	---	---	0.0620	0.7710	0.207	0.327	0.154	0.106	0.820	---	---	7
8	---	---	---	0.0800	0.5760	0.183	0.420	0.138	0.096	0.823	---	---	8
9	---	---	---	0.1140	0.4950	0.182	0.544	0.127	0.089	0.650	---	---	9
10	---	---	---	0.1000	0.4490	0.156	0.471	0.116	0.142	0.570	---	---	10
11	---	---	---	0.0520	0.4188	0.233	0.378	0.209	0.254	0.503	---	---	11
12	---	---	---	0.0400	0.3138	0.1944	0.367	0.213	0.184	0.445	---	---	12
13	---	---	---	0.0400	0.2908	0.1674	0.307	0.142	0.154	0.395	---	---	13
14	---	---	---	0.0428	0.2588	0.1554	0.263	0.113	0.129	0.356	---	---	14
15	---	---	---	0.0500	0.2088	0.212	0.397	0.098	0.114	0.324	---	---	15
16	---	---	---	0.0600	0.2558	0.181	1.85	0.089	0.104	0.292	---	---	16
17	---	---	---	0.0700	0.2588	0.196	4.00	0.083	0.095	0.260	---	---	17
18	---	---	---	0.0760	0.4098	0.166	3.99	0.078	0.083	0.232	---	---	18
19	---	---	---	0.1700	0.3398	0.211	2.03	0.101	0.073	0.211	---	---	19
20	---	---	---	0.2700	0.3328	0.183	1.37	0.086	0.063	0.192	---	---	20
21	---	---	---	0.4040	0.3540	0.153	1.02	0.074	0.055	0.175	---	---	21
22	---	---	---	0.4100	0.4060	0.138	0.899	0.070	0.053	0.165	---	---	22
23	---	---	---	0.4250	0.5280	0.125	1.06	0.064	0.053	0.156	---	---	23
24	---	---	---	0.1850	0.5110	0.113	0.837	0.065	0.046	0.147	---	---	24
25	---	---	---	0.1360	0.438	0.102	0.639	0.077	0.137	0.141	---	---	25
26	---	---	0.0170	0.1210	0.420	0.094	0.602	0.068	0.466	0.135	---	---	26
27	---	---	0.0400	0.1110	0.442	0.091	0.495	0.056	0.352	0.150	---	---	27
28	---	---	0.0600	0.1050	0.442	0.087	0.485	0.052	0.309	0.127	---	---	28
29	---	---	0.0800	0.0900	0.427	0.108	0.549	0.051	0.269	0.124	---	---	29
30	---	---	0.0800	0.0850	0.387	0.155	0.467	0.050	0.603	0.114	---	---	30
31	---	---	0.0700		0.356		0.378	0.047		0.1130	---	---	31
TOTAL	---	---	---	3.529	11.801	5.129	25.011	2.942	4.978	11.663	---	---	TOTAL
MEAN	---	---	---	0.118	0.381	0.171	0.807	0.127	0.166	0.383	---	---	MEAN
MAX	---	---	---	0.425	0.771	0.307	4.00	0.330	0.603	0.961	---	---	MAX
MIN	---	---	---	0.027	0.061	0.087	0.097	0.047	0.045	0.113	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.310
MAXIMUM DAILY, 4.00 ON JUL 17
MINIMUM DAILY, 0.0278 ON APR 3
MAXIMUM INSTANTANEOUS,
7.56 AT 22 07 MST ON JUL 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 05 20 N
LONG 117 14 36 W
DRAINAGE AREA, 14.0 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 160
FEB	---	AUG	341
MAR	---	SEP	430
APR	305	OCT	1 030
MAY	1 020	NOV	---
JUN	443	DEC	---

TOTAL DISCHARGE, 5 730 dam³

DICKSON DAM TUNNEL OUTLET - STATION NO. 05CB007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	16.8	16.2	16.2	16.5	16.7	0	0	27.5	54.5	60.6	41.5	24.3	1
2	16.8	16.2	16.2	16.3	16.7	0	0	60.5	43.7	67.8	41.5	24.2	2
3	16.8	16.3	16.3	16.4	16.5	0	0	60.0	40.0	70.8	27.3	24.2	3
4	16.3	16.3	16.2	16.4	16.5	0	0	60.8	41.5	85.3	24.6	21.7	4
5	16.4	16.3	16.3	16.4	16.1	0	0	64.6	45.3	84.5	24.7	18.3	5
6	16.8	16.3	16.3	16.4	16.5	0	0	67.8	45.5	83.8	24.7	17.6	6
7	16.4	16.3	16.1	16.4	16.5	0	0	68.0	45.6	85.0	24.5	16.8	7
8	16.4	16.3	16.2	16.5	16.7	0	0	67.9	45.7	83.7	24.3	16.7	8
9	16.4	16.3	16.3	16.6	16.7	0	0	67.8	41.5	82.2	27.1	16.7	9
10	16.8	16.2	16.3	16.5	16.5	0	0	61.3	38.7	82.5	19.5	16.7	10
11	16.3	16.1	16.2	16.7	16.7	0	0	61.3	38.5	83.0	17.2	16.7	11
12	16.8	16.1	16.3	16.7	16.8	0	0	67.3	34.6	84.2	17.1	16.6	12
13	16.3	16.0	16.3	16.7	16.7	0	0	60.2	30.2	85.0	17.0	16.6	13
14	16.8	15.6	16.2	16.7	10.3	0	0	64.6	30.1	77.5	17.0	16.6	14
15	16.8	15.5	16.4	16.7	0	0	0	69.4	30.2	69.2	17.0	16.1	15
16	16.8	15.3	16.3	16.7	16.8	0	0	66.5	33.8	65.3	17.0	15.7	16
17	16.4	15.3	16.3	16.6	27.5	0	0	56.0	64.3	60.8	16.9	15.7	17
18	16.4	15.3	16.3	16.6	42.5	0	0	45.2	60.5	60.8	21.6	15.7	18
19	16.8	15.5	16.3	16.6	29.0	0	0	63.0	58.6	55.5	33.0	15.7	19
20	16.3	15.8	16.6	16.5	0	0	0	63.1	67.6	51.0	33.1	15.7	20
21	16.3	15.8	16.6	16.7	0	0	0	63.1	68.6	52.0	30.0	15.7	21
22	16.3	15.9	16.6	16.5	0	0	0	63.1	66.7	66.5	24.7	15.6	22
23	16.3	15.6	16.5	16.5	0	25.6	0	62.9	54.3	61.1	24.7	15.6	23
24	16.3	16.0	16.5	16.6	0	60.1	0	62.9	60.5	61.2	24.5	15.6	24
25	16.2	16.0	16.4	16.6	0	82.6	0	62.7	31.8	61.3	24.4	15.6	25
26	16.2	16.1	16.6	16.6	0	53.8	0	62.8	0	61.0	24.6	15.6	26
27	16.8	16.1	16.6	16.6	0	55.1	0	62.2	0	61.6	24.5	16.1	27
28	16.8	16.1	16.6	16.5	0	46.7	0	33.1	0	61.3	24.5	16.6	28
29	16.4		16.6	16.5	0	53.7	0	32.6	0	61.3	24.6	16.6	29
30	16.8		16.2	16.5	0	27.2	0	48.6	39.8	61.3	24.4	16.6	30
31	16.3		16.6		0		0	56.5		61.2		16.5	31
TOTAL	507.1	447.1	505.3	495.6	354.0	347.1	0	1 816.0	1 148.2	1 952.2	705.4	533.8	TOTAL
MEAN	16.4	16.0	16.3	16.6	11.6	11.6	0	53.1	38.3	63.0	26.5	17.2	MEAN
MAX	16.8	16.3	16.5	16.7	42.5	60.1	0	68.6	68.6	85.3	41.5	24.3	MAX
MIN	16.2	15.3	16.1	16.3	0	0	0	27.5	0	41.1	16.9	15.6	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 23.6
MAXIMUM DAILY, 85.3 ON OCT 6
MINIMUM DAILY, 0 ON MAY 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 03 30 N
LONG 114 13 03 W
DRAINAGE AREA, 5 500 km²

REGULATED SINCE 1983

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	43 800	JUL	0
FEB	36 600	AUG	140 000
MAR	43 700	SEP	99 300
APR	42 800	OCT	169 000
MAY	30 600	NOV	66 700
JUN	30 000	DEC	46 100

TOTAL DISCHARGE, 793 000 dam³

DICKSON RESERVOIR NEAR DICKSON - STATION NO 05CB004

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	946.134	946.736	943.352	943.349	943.393	946.601	946.581A	947.179	947.980	947.385	946.665	947.944	1
2	946.054	946.688	943.392	943.349	943.380	946.700	946.665A	947.312	947.841	947.613	946.613	947.918	2
3	946.054	946.636	943.439	943.340	943.364	946.593	946.581A	947.425	947.962	947.784	946.000	947.892	3
4	946.013	946.580	943.486	943.332	943.396	946.396	946.439	947.520	947.983	947.856	946.922	947.851	4
5	945.971	946.532	943.529	943.322	943.479	946.246	946.229	947.612	948.001	947.874	946.845	947.823	5
6	935.917	946.478	943.559	943.320	943.761	946.176	946.037	947.686	948.022	947.903	946.862	947.812	6
7	945.865	946.416	943.551	943.332	943.996	946.130	946.008	947.753	948.027	947.962	946.952	947.809	7
8	945.829	946.355	943.526	943.364	944.187	946.100	945.975	947.786	948.008	948.034	947.987	947.805	8
9	945.778	946.287	943.507	943.377	944.356	946.179	945.908	947.784	947.977	948.108	947.913	947.782	9
10	945.734	946.238	943.491	943.395	944.521	946.255	945.869	947.787	947.959	948.151	947.871	947.763	10
11	945.691	946.180	943.474	943.400	944.682	946.196	945.144	947.827	947.960	948.189	947.859	947.756	11
12	945.648	946.126	943.461	943.407	944.862	946.087	946.185	947.891	947.970	948.145	947.858	947.743	12
13	945.607	946.068	943.442	943.386	945.053	946.030	946.201	947.934	948.002	948.104	947.879	947.732	13
14	945.567	946.015	943.421	943.359	945.331	946.010	946.174	948.024	948.034	948.046	947.912	947.720	14
15	945.530	945.962	943.400	943.326	945.606	945.990	946.203	948.023	948.063	948.030	947.874	947.714	15
16	945.488	943.910	943.388	943.300	945.660	946.043A	946.254	947.987	948.087	948.011	948.030	947.706	16
17	945.449	943.850	943.370	943.288	945.583	946.050A	946.389	947.948	948.092	948.005	948.083	947.698	17
18	945.405	943.787	943.348	943.286	945.786	946.058A	946.619	947.864	948.110	947.995	948.120	947.688	18
19	945.368	943.720	943.321	943.251	946.235	945.999A	946.914	947.936	948.048	947.980	948.092	947.668	19
20	945.327	943.655	943.301	943.246	946.536	945.995A	947.044	948.002	948.014	947.985	945.025	947.646	20
21	945.281	943.588	943.282	943.256	946.516	945.965A	946.824	948.012	947.983	947.984	947.981	947.624	21
22	945.238	943.527	943.281	943.287	946.482	945.934A	946.880	948.010	947.990	947.977	947.995	947.609	22
23	945.186	943.463	943.281	943.341	946.468	945.917A	947.077	948.000	947.973	947.997	948.012	947.601	23
24	945.128	943.405	943.288	943.376	946.300	945.952A	947.158	947.988	947.921	948.022	948.019	947.594	24
25	945.087	943.352	943.276	943.386	946.180	946.021A	947.196	947.985	947.906	948.045	946.026	947.567	25
26	945.040	943.302	943.256	943.397	946.167	946.071A	947.074	947.934	947.959	948.053	946.036	947.579	26
27	944.990	943.256	943.258	943.402	946.235	946.028A	947.142	947.975	947.124	948.079	946.032	947.565	27
28	944.937	943.216	943.276	943.401	946.425	946.002A	947.207	947.979	947.026	948.082	948.025	947.551	28
29	944.885		943.300	943.411	946.536	946.017A	947.195	948.015	947.022	948.087	948.011	947.542	29
30	944.836		943.323	943.403	946.760	946.219A	947.166	948.041	947.154	948.083	947.982	947.535	30
31	944.784		943.337		946.830		947.128	948.014		948.074		947.529	31
MEAN	945.480	943.982	943.386	943.367	945.270	946.126	946.605	947.855	947.866	947.986	947.985	947.704	MEAN
MAX	946.134	946.736	943.559	943.411	946.830	946.601	947.207	948.041	948.110	948.189	948.120	947.944	MAX
MIN	944.784	943.256	943.256	943.246	943.364	945.917	945.975	947.179	947.022	947.389	947.858	947.529	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MEAN, 946.151
MAXIMUM DAILY, 948.189 ON OCT 11
MINIMUM DAILY, 943.246 ON APR 20
MAXIMUM INSTANTANEOUS,
948.171 AT 04 31 MST ON OCT 11

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 02 26 N
LONG 114 12 53 W

A - MANUAL GAUGE

REGULATED SINCE 1981

DRAINAGE AREA
5 600 km²

DOG RIVER NEAR FITZGERALD - STATION NO 07NB008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2230	0.4620	0.4510	0.4280	2.82	3.44	6.32	2.53	2.11	1.62	1.14	0.7490	1
2	0.3250	0.4620	0.4500	0.4280	2.84	3.60	6.16	2.60	2.07	1.60	1.10	0.7510	2
3	0.3240	0.4610	0.4500	0.4280	2.83	3.52	7.85	2.73	2.15	1.93	1.07	0.7525	3
4	0.3400	0.4610	0.4490	0.4270	3.00	3.68	7.04	2.64	2.29	1.95	1.07	0.7540	4
5	0.3450	0.4600	0.4490	0.4270	3.82	3.39	7.59	2.61	2.33	1.98	1.06	0.7560	5
6	0.3500	0.4600	0.4490	0.4260	3.96	3.27	7.32	2.54	2.25	1.53	1.07	0.7570	6
7	0.3560	0.4600	0.4480	0.4260	4.32	3.21	6.89	2.52	2.26	1.50	1.03	0.7590	7
8	0.3610	0.4590	0.4480	0.4260	3.77	3.15	6.42	2.67	2.22	1.49	0.978	0.7600	8
9	0.3670	0.4580	0.4480	0.4250	3.67	3.07	6.06	2.75	2.18	1.46	0.961	0.7620	9
10	0.3720	0.4580	0.4470	0.4250	3.60	3.07	5.89	2.75	2.13	1.42	0.9200	0.7640	10
11	0.3770	0.4580	0.4470	0.4250	3.77	3.19	5.74	2.67	2.09	1.45	0.9150	0.7650	11
12	0.3830	0.4580	0.4460	0.4240	3.78	3.11	5.50	2.58	2.04	1.43	0.9000	0.7670	12
13	0.3880	0.4570	0.4460	0.4240	3.60	3.12	5.25	2.58	2.00	1.40	0.8720	0.7680	13
14	0.3940	0.4570	0.4460	0.4240	3.57	2.95	5.04	2.58	1.96	1.40	0.8530	0.7700	14
15	0.3990	0.4560	0.4450	0.4230	3.60	3.09	4.86	2.51	1.82	1.39	0.8340	0.7720	15
16	0.4040	0.4560	0.4450	0.4230	3.61	2.99	4.72	2.47	1.88	1.39	0.8150	0.7740	16
17	0.4090	0.4560	0.4440	0.4220	3.26	2.78	4.59	2.44	1.85	1.39	0.7940	0.7750	17
18	0.4150	0.4550	0.4440	0.5310	3.26	2.70	4.36	2.39	1.83	1.38	0.7730	0.7770	18
19	0.4200	0.4550	0.4440	0.6300	3.34	2.76	4.20	2.33	1.81	1.38	0.7540	0.7790	19
20	0.4260	0.4540	0.4430	0.7290	3.20	3.68	4.07	2.31	1.77	1.37	0.7520	0.7810	20
21	0.4310	0.4540	0.4430	0.8280	3.26	4.29	3.95	2.29	1.76	1.35	0.7520	0.7830	21
22	0.4370	0.4540	0.4420	0.9270	3.29	5.19	3.82	2.26	1.74	1.35	0.7460	0.7840	22
23	0.4420	0.4530	0.4420	1.03 E	3.81	5.82	3.90	2.17	1.74	1.33	0.7460	0.7860	23
24	0.4470	0.4530	0.4410	1.13 E	3.77	5.34	3.79	2.22	1.74	1.30	0.7430	0.7880	24
25	0.4530	0.4530	0.4410	1.23	3.78	5.68	3.69	2.26	1.72	1.30	0.7400	0.7900	25
26	0.4580	0.4520	0.4410	1.37	3.80	7.21	3.57	2.33	1.66	1.29	0.7410	0.7920	26
27	0.4640	0.4520	0.4400	1.53	3.88	7.78	3.46	2.31	1.66	1.29	0.7430	0.7930	27
28	0.4690	0.4510	0.4400	1.78	3.81	8.18	3.36	2.29	1.65	1.26	0.7440	0.7950	28
29	0.4630		0.4400	2.61	3.67	8.39	3.33	2.23	1.66	1.24	0.7460	0.7970	29
30	0.4620		0.4400	2.81	3.59	8.39	3.00	2.12	1.63	1.20	0.7480	0.7990	30
31	0.4620		0.4390		3.51		3.00	2.12		1.17		0.8010	31
TOTAL	12.474	12.798	13.798	24.338	109.80	132.37	160.01	76.69	56.13	43.38	26.128	24.000	TOTAL
MEAN	0.402	0.457	0.445	0.811	3.54	4.41	5.16	2.47	1.94	1.40	0.871	0.774	MEAN
MAX	0.464	0.462	0.451	2.81	4.32	8.39	8.32	2.83	2.33	1.62	1.14	0.801	MAX
MIN	0.223	0.451	0.439	0.432	2.82	2.70	3.00	2.12	1.63	1.17	0.740	0.749	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.00
MAXIMUM DAILY, 8.39 ON JUN 28
MINIMUM DAILY, 0.2230 ON JAN 1
MAXIMUM INSTANTANEOUS,
8.46 AT 16:20 MST ON JUN 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 52 35 N
LONG 111 21 15 W
DRAINAGE AREA, 2 020 km²

E - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 980	JUL	13 800
FEB	1 100	AUG	6 610
MAR	1 100	SEP	5 020
APR	2 100	OCT	3 750
MAY	9 470	NOV	2 250
JUN	11 400	DEC	2 070

TOTAL DISCHARGE, 59 900 dam³

10

DRAIN L-5 NEAR DIAMOND CITY - STATION NO. 05AD040

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	D	0.008	0.083	0.051	0.040	0.018	0	---	1
2	---	---	---	---	D	0.025	0.030	0.051	0.028	0.015	0	---	2
3	---	---	---	---	D	0.034	0.026	0.062	0.018	0.021	0	---	3
4	---	---	---	---	D	0.017	0.020	0.063	0.011	0.029	0.04	---	4
5	---	---	---	---	D	0.026	0.062	0.038	0.015	0.023	---	---	5
6	---	---	---	---	D	0.033	0.060	0.035	0.033	0.032	---	---	6
7	---	---	---	---	D	0.041	0.067	0.041	0.032	0.029	---	---	7
8	---	---	---	---	D	0.047	0.065	0.046	0.035	0.026	---	---	8
9	---	---	---	---	D	0.051	0.063	0.050	0.059	0.023	---	---	9
10	---	---	---	---	D	0.063	0.051	0.058	0.074	0.009	---	---	10
11	---	---	---	---	D	0.037	0.046	0.048	0.078	0.005	---	---	11
12	---	---	---	---	D	0.034	0.049	0.03	0.085	0.005	---	---	12
13	---	---	---	---	D	0.040	0.048	0.034	0.088	0.005	---	---	13
14	---	---	---	---	D	0.063	0.038	0.023	0.088	0.005	---	---	14
15	---	---	---	---	D	0.060	0.032	0.027	0.090	0.005	---	---	15
16	---	---	---	---	D	0.074	0.038	0.068	0.084	0.004	---	---	16
17	---	---	---	---	D	0.068	0.039	0.065	0.070	0.003	---	---	17
18	---	---	---	---	D	0.064	0.042	0.062	0.055	0.003	---	---	18
19	---	---	---	---	D	0.043	0.090	0.074	0.053	0.002	---	---	19
20	---	---	---	---	D	0.029	0.090	0.053	0.057	0	---	---	20
21	---	---	---	---	0.0068	0.021	0.121	0.063	0.057	0	---	---	21
22	---	---	---	---	0.008	0.029	0.110	0.051	0.038	0	---	---	22
23	---	---	---	04	D	0.046	0.084	0.053	0.015	0	---	---	23
24	---	---	---	0	0.017	0.037	0.071	0.062	0.008	0	---	---	24
25	---	---	---	0	0.013	0.044	0.063	0.061	0.013	0	---	---	25
26	---	---	---	0	0.017	0.062	0.060	0.068	0.010	0	---	---	26
27	---	---	---	0	0.022	0.066	0.060	0.045	0.028	0	---	---	27
28	---	---	---	0	0.015	0.062	0.065	0.036	0.027	0	---	---	28
29	---	---	---	0	0.010	0.061	0.063	0.020	0.031	0	---	---	29
30	---	---	---	0	0.020	0.050	0.077	0.020	0.024	0	---	---	30
31	---		---		0.012		0.076	0.026		0		---	31
TOTAL	---	---	---	---	0.143	1.303	1.804	1.524	1.306	0.269	---	---	TOTAL
MEAN	---	---	---	---	0.009	0.045	0.061	0.049	0.045	0.009	---	---	MEAN
MAX	---	---	---	---	0.022	0.074	0.121	0.062	0.090	0.033	---	---	MAX
MIN	---	---	---	---	D	0.008	0.026	0.023	0.008	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.039
MAXIMUM DAILY 0.121 ON JUL 21
MINIMUM DAILY 0.00 MAY 1

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 47 20 N
LONG 112 51 30 W

D - MANUAL GAUGE

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	154
FEB	---	AUG	132
MAR	---	SEP	116
APR	---	OCT	33.2
MAY	12.6	NOV	---
JUN	116	DEC	---

TOTAL DISCHARGE 565 dam³

DRAIN S-10 NEAR BOW ISLAND - STATION NO. 05AJ003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.006	0.112	0.562	0.464	0.369	0.3230	0.015	---	1
2	---	---	---	---	0.007	0.100	0.730	0.418	0.413	0.3164	0.017	---	2
3	---	---	---	---	0.008	0.157	0.806	0.482	0.403	0.268	0.020	---	3
4	---	---	---	---	0.015	0.163	0.801	0.710	0.358	0.185	0.022	---	4
5	---	---	---	---	0.025	0.209	0.711	0.498	0.294	0.154	0.025	---	5
6	---	---	---	---	0.028	0.287	0.662	0.431	0.253	0.120	0.027A	---	6
7	---	---	---	---	0.022	0.469	0.995	0.461	0.182	0.103	---	---	7
8	---	---	---	---	0.019	0.363	0.870	0.418	0.167	0.092	---	---	8
9	---	---	---	---	0.015	0.447	0.563	0.421	0.156	0.081	---	---	9
10	---	---	---	---	0.015	0.273	0.590	0.474	0.177	0.078	---	---	10
11	---	---	---	---	0.013	0.220	1.05	0.675	0.134	0.053	---	---	11
12	---	---	---	---	0.011	0.381	1.04	0.530	0.070	0.045	---	---	12
13	---	---	---	---	0.009	0.238	1.01	0.672	0.068	0.032	---	---	13
14	---	---	---	---	0.015	0.230	1.02	0.427	0.067	0.019	---	---	14
15	---	---	---	---	0.019	0.899	0.860	0.193	0.084	0.015	---	---	15
16	---	---	---	---	0.010	0.594	0.705	0.240	0.071	0.009	---	---	16
17	---	---	---	---	0.010	0.939	0.667	0.095	0.059	0.008	---	---	17
18	---	---	---	---	0.013	0.637	0.579	0.340	0.064	0.008	---	---	18
19	---	---	---	---	0.010	0.653	0.489	0.198	0.057	0.006	---	---	19
20	---	---	---	---	0.007	0.693	0.710	0.186	0.119	0.006	---	---	20
21	---	---	---	---	0.005	0.686	0.592	0.150	0.120	0.005	---	---	21
22	---	---	---	---	0.010	0.793	0.267	0.270	0.110	0.005	---	---	22
23	---	---	---	0.0038	0.009	0.796	0.720	0.305	0.109	0.005	---	---	23
24	---	---	---	0.005	0.006	0.877	0.863	0.318	0.143	0.010	---	---	24
25	---	---	---	0.005	0.003	0.893	1.00	0.293	1.09 A	0.010	---	---	25
26	---	---	---	0.005	0.001	0.907	0.794	0.411	1.28 A	0.010	---	---	26
27	---	---	---	0.005	D	0.793	0.650	0.411	0.0948	0.011	---	---	27
28	---	---	---	0.005	0	0.701	0.851	0.359	0.3488	0.011	---	---	28
29	---		---	0.005	0.018	0.720	0.707	0.243	0.3258	0.015	---	---	29
30	---		---	0.006	0.026	0.770	0.670	0.265	0.3198	0.015	---	---	30
31	---		---		0.104		0.490	0.338		0.018		---	31
TOTAL	---	---	---	---	0.542	10.391	23.080	13.625	9.083	2.861	---	---	TOTAL
MEAN	---	---	---	---	0.017	0.509	0.796	0.407	0.303	0.066	---	---	MEAN
MAX	---	---	---	---	0.104	0.939	1.05	0.821	1.84	0.323	---	---	MAX
MIN	---	---	---	---	D	0.106	0.267	0.150	0.058	0.008	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.346
MAXIMUM DAILY 1.84A ON SEP 25
MINIMUM DAILY 0.00 MAY 27

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 40 N
LONG 111 24 50 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 090
FEB	---	AUG	1 090
MAR	---	SEP	785
APR	---	OCT	179
MAY	46.8	NOV	---
JUN	1 420	DEC	---

TOTAL DISCHARGE 5 010 dam³

DRAIN S-6 NEAR GRASSY LAKE - STATION NO. 05AJ003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	0.220	0.544	0.319	0.334	---	1
2	---	---	---	---	---	---	---	0.162	0.697	0.557	0.016	---	2
3	---	---	---	---	---	---	---	0.125	0.391	0.478	0.019	---	3
4	---	---	---	---	---	---	---	0.254	0.608	0.430	0.056	---	4
5	---	---	---	---	---	---	---	0.247	0.865	0.544	0.018	---	5
6	---	---	---	---	---	---	---	0.275	0.536	0.452	0.008A	---	6
7	---	---	---	---	---	---	---	0.181	0.594	0.316	---	---	7
8	---	---	---	---	---	---	---	0.219	0.635	0.441	---	---	8
9	---	---	---	---	---	---	---	0.202	0.770	0.486	---	---	9
10	---	---	---	---	---	---	---	0.276	0.720	0.679	---	---	10
11	---	---	---	---	---	---	---	0.288	0.715	0.127	---	---	11
12	---	---	---	---	---	---	---	0.274	0.817	0.276	---	---	12
13	---	---	---	---	---	---	---	0.429	0.789	0.614	---	---	13
14	---	---	---	---	---	---	---	0.112	0.806	0.768	---	---	14
15	---	---	---	---	---	---	---	0.271	0.793	0.761	---	---	15
16	---	---	---	---	---	---	---	0.270	0.506	0.703	---	---	16
17	---	---	---	---	---	---	---	0.279	0.780	0.512	---	---	17
18	---	---	---	---	---	---	---	0.500	0.761	0.617	---	---	18
19	---	---	---	---	---	---	---	0.333	0.716	1.12	---	---	19
20	---	---	---	---	---	---	---	0.582	0.681	0.941	---	---	20
21	---	---	---	---	---	---	---	0.335	0.735	1.01	---	---	21
22	---	---	---	---	---	---	---	0.131	0.705	1.15	---	---	22
23	---	---	---	---	---	---	---	0.273	0.821	1.04	---	---	23
24	---	---	---	---	---	---	---	0.186	0.588	1.09	---	---	24
25	---	---	---	---	---	---	---	0.216	0.842	1.09	---	---	25
26	---	---	---	---	---	---	---	0.248	0.152	1.17	---	---	26
27	---	---	---	---	---	---	---	0.270	0.521	1.18	---	---	27
28	---	---	---	---	---	---	0.035A	0.213	0.510	1.12	---	---	28
29	---		---	---	---	---	0.287	0.212	0.507	1.20	---	---	29
30	---		---	---	---	---	0.215	0.214	0.527	1.23	---	---	30
31	---		---		---		0.436	0.336		1.25		---	31
TOTAL	---	---	---	---	---	---	---	8.795	19.043	23.471	---	---	TOTAL
MEAN	---	---	---	---	---	---	---	0.284	0.635	0.757	---	---	MEAN
MAX	---	---	---	---	---	---	---	0.582	0.865	1.25	---	---	MAX
MIN	---	---	---	---	---	---	---	0.112	0.152	0.127	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 52 17 N
LONG 111 39 50 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	760
MAR	---	SEP	1 650
APR	---	OCT	2 030
MAY	---	NOV	---
JUN	---	DEC	---

DRAIN T-1 NEAR TABER - STATION NO. 05AG027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.004	0.007	0.263	0.326	0.134	0.314	0.005	---	1
2	---	---	---	---	0.003	0.020	0.186	0.327	0.130	0.291	0.007	---	2
3	---	---	---	---	0.004	0.014	0.170	0.348	0.135	0.257	0.004A	---	3
4	---	---	---	---	0.021	0.044	0.201	0.331	0.126	0.236	---	---	4
5	---	---	---	---	0.051	0.035	0.220	0.303	0.155	0.228	---	---	5
6	---	---	---	---	0.030	0.020	0.162	0.297	0.157	0.211	---	---	6
7	---	---	---	---	0.018	0.003	0.214	0.343	0.161	0.177	---	---	7
8	---	---	---	---	0.009	0.006	0.221	0.364	0.146	0.166	---	---	8
9	---	---	---	---	0.007	0.010	0.266	0.410	0.178	0.164	---	---	9
10	---	---	---	---	0.007	0.012	0.335	0.360	0.171	0.181	---	---	10
11	---	---	---	---	0.006	0.031	0.326	0.368E	0.158	0.084E	---	---	11
12	---	---	---	---	0.006	0.069	0.288	0.227A	0.118	0.063E	---	---	12
13	---	---	---	---	0.003	0.112	0.332	0.309	0.140	0.045E	---	---	13
14	---	---	---	---	0.013	0.082	0.434	0.187	0.247	0.029E	---	---	14
15	---	---	---	---	0.015	0.097	0.431	0.171	0.241	0.018E	---	---	15
16	---	---	---	---	0.013	0.081	0.369	0.185	0.238	0.009A	---	---	16
17	---	---	---	---	0.009	0.057	0.331	0.190	0.255	0.006	---	---	17
18	---	---	---	---	0.007	0.069	0.306	0.187	0.227	0.005	---	---	18
19	---	---	---	---	0.005	0.121	0.185	0.236	0.236	0.004	---	---	19
20	---	---	---	---	0.004	0.120	0.221	0.307	0.224	0.004	---	---	20
21	---	---	---	---	0.004	0.050	0.277	0.310	0.221	0.004	---	---	21
22	---	---	---	0.001A	0.005	0.051	0.252	0.336	0.172	0.003	---	---	22
23	---	---	---	0.012	0.006	0.065	0.363	0.465	0.138	0.003	---	---	23
24	---	---	---	0.011	0.002	0.107	0.368	0.462	0.184	0.003	---	---	24
25	---	---	---	0.007	0.001	0.161	0.437	0.538	0.243	0.003	---	---	25
26	---	---	---	0.008	0	0.102	0.478	0.283	0.270	0.003	---	---	26
27	---	---	---	0.007	0	0.187	0.474	0.275	0.280	0.003	---	---	27
28	---	---	---	0.005	0	0.190	0.500	0.235	0.254	0.003	---	---	28
29	---		---	0.004	0	0.222	0.343	0.132	0.222	0.003	---	---	29
30	---		---	0.003	0.006	0.257	0.271	0.121	0.332	0.007	---	---	30
31	---		---		0.013		0.332	0.126		0.013		---	31
TOTAL	---	---	---	---	0.274	2.523	9.393	8.888	5.654	2.580	---	---	TOTAL
MEAN	---	---	---	---	0.009	0.084	0.303	0.287	0.188	0.083	---	---	MEAN
MAX	---	---	---	---	0.051	0.257	0.500	0.538	0.332	0.314	---	---	MAX
MIN	---	---	---	---	0	0.003	0.162	0.121	0.118	0.003	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.161
MAXIMUM DAILY, 0.538 ON AUG 25
MINIMUM DAILY, 0 ON MAY 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 46 10 N
LONG 112 13 52 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	812
FEB	---	AUG	766
MAR	---	SEP	514
APR	---	OCT	221
MAY	23.7	NOV	---
JUN	218	DEC	---

TOTAL DISCHARGE, 2 580 dam³

DRIEDMEAT CREEK NEAR THE MOUTH - STATION NO. 05FA018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2.00 B	3.50	0.090	0.043	0.042	0.044	0.025	0.049	---	---	1
2	---	---	3.00 B	2.97	0.095	0.045	0.041	0.110	0.017	0.067	---	---	2
3	---	---	2.11 B	1.90	0.100	0.054	0.033	0.073	0.019	0.208	---	---	3
4	---	---	1.22 B	1.42	0.101	0.053	0.023	0.057	0.018	0.052	---	---	4
5	---	---	0.7858	1.07	0.105	0.049	0.017	0.057	0.018	0.120	---	---	5
6	---	---	1.26 B	0.82:	0.105	0.045	0.016	0.052	0.018	0.056	---	---	6
7	---	---	0.8498	0.638	0.105	0.044	0.010	0.049	0.018	0.061	---	---	7
8	---	---	0.2768	0.510	0.108	0.045	0.012	0.055	0.018	0.060	---	---	8
9	---	---	0.2528	0.401	0.094	0.048	0.014	0.068	0.013	0.059	---	---	9
10	---	---	0.2328	0.404	0.079	0.038	0.044	0.045	0.006	0.058	---	---	10
11	---	---	0.2048	0.385	0.073	0.037	0.077	0.033	0.047	0.056	---	---	11
12	---	---	0.1768	0.359	0.065	0.031	0.065	0.032	0.211	0.083	---	---	12
13	---	---	0.3068	0.348	0.075	0.027	0.076	0.030	0.168	0.050	---	---	13
14	---	---	0.7188	0.347	0.220	0.032	0.182	0.027	0.123	0.040	---	---	14
15	---	---	0.8818	0.322	0.260	0.075	0.195	0.024	0.132	0.040	---	---	15
16	---	---	0.8798	0.305	0.342	0.047	0.095	0.026	0.164	0.040	---	---	16
17	---	---	1.38 B	0.293	0.311	0.122	0.147	0.026	0.142	0.046	---	---	17
18	---	---	1.10 B	0.256	0.277	0.137	0.278	0.022	0.148	0.029	---	---	18
19	---	---	1.15 B	0.230	0.238	0.056	0.280	0.021	0.162	0.035	---	---	19
20	---	---	2.47 B	0.203	0.221	0.037	0.207	0.026	0.205	0.032	---	---	20
21	---	---	3.50 B	0.173	0.174	0.035	0.115	0.023	0.227	0.044	---	---	21
22	---	---	3.71 B	0.252	0.158	0.029	0.093	0.035	0.027	0.035	---	---	22
23	---	---	3.32 B	0.200	0.149	0.015	0.090	0.034	0.023	0.030	---	---	23
24	---	---	3.76 B	0.170	0.139	0.015	0.052	0.031	0.013	0.035	---	---	24
25	---	---	2.25 B	0.152	0.104	0.013	0.048	0.025	0.030	0.035	---	---	25
26	---	---	4.27 B	0.132	0.089	0.015	0.036	0.025	0.139	0.038	---	---	26
27	---	---	5.31 B	0.110	0.082	0.014	0.033	0.025	0.215	0.035	---	---	27
28	---	---	5.25 B	0.121	0.075	0.013	0.032	0.025	0.197	0.034A	---	---	28
29	---		5.26	0.143	0.066	0.016	0.033	0.025	0.031	0.035E	---	---	29
30	---		5.25	0.101	0.056	0.018	0.034	0.025	0.038	0.035E	---	---	30
31	---		4.35		0.045		0.043	0.025		0.035E		---	31
TOTAL	---	---	97.489	17.861	4.199	1.264	2.485	1.212	2.642	1.645	---	---	TOTAL
MEAN	---	---	2.16	0.595	0.135	0.042	0.080	0.039	0.088	0.053	---	---	MEAN
MAX	---	---	5.31	3.50	0.342	0.137	0.280	0.110	0.327	0.208	---	---	MAX
MIN	---	---	0.176	0.101	0.045	0.013	0.010	0.021	0.006	0.029	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.403
MAXIMUM DAILY, 5.310 BN MAR 27
MINIMUM DAILY, 0.006 BN SEP 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 52 53 N
LONG 112 38 20 W
DRAINAGE AREA, 1 150 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	215
FEB	---	AUG	105
MAR	5 830	SEP	228
APR	1 540	OCT	142
MAY	363	NOV	---
JUN	108	DEC	---

TOTAL DISCHARGE, 8 530 dam³

DRIEDMEAT LAKE AT OUTFLOW - STATION NO. 05FA020

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	684.968	684.895	684.848	684.596	---	684.738	684.636	684.624	---	1
2	---	---	---	684.984	684.851	684.843	684.590	---	684.744	684.623	684.628	---	2
3	---	---	---	684.988	684.716	684.825	684.602	---	684.734	684.629	684.627	---	3
4	---	---	---	684.989	684.688	684.778	684.614	---	684.704	684.636	---	---	4
5	---	---	---	684.974	684.684	684.779	684.622	---	684.689	684.632	---	---	5
6	---	---	---	684.983	684.674	684.772	684.595	---	684.674	684.636	---	---	6
7	---	---	---	684.936	684.645	684.744	684.585	---	684.656	684.631	---	---	7
8	---	---	---	684.909	684.647	684.740	684.572	---	684.653	684.621	---	---	8
9	---	---	---	684.926	684.659	684.730	684.578	---	684.647	684.635	---	---	9
10	---	---	---	684.910	684.676	684.701	684.596	---	684.639	684.649	---	---	10
11	---	---	---	684.893	684.652	684.762	684.604	---	684.659	684.615	---	---	11
12	---	---	---	684.882	684.645	684.703	684.610	---	684.649	684.625	---	---	12
13	---	---	684.867	684.871	684.683	684.675	684.615	---	684.633	684.635	---	---	13
14	---	---	684.870	684.858	684.742	684.665	684.600	---	684.629	684.629	---	---	14
15	---	---	684.881	684.844	684.776	684.654	684.596	---	684.626	684.627	---	---	15
16	---	---	684.897	684.830	684.732	684.648	684.593	---	684.627	684.623	---	---	16
17	---	---	684.908	684.814	684.756	684.649	684.608	---	684.626	684.627	---	---	17
18	---	---	684.918	684.810	684.761	684.632	684.630	---	684.618	684.626	---	---	18
19	---	---	684.743	684.787	684.769	684.660	684.618	684.980	684.610	684.620	---	---	19
20	---	---	684.763	684.769	684.783	684.648	684.614	684.922	684.614	684.622	---	---	20
21	---	---	684.811	684.764	684.834	684.660	684.613	684.927	684.607	684.628	---	---	21
22	---	---	684.853	684.761	684.858	684.644	684.615	684.885	684.615	684.617	---	---	22
23	---	---	684.866	684.760	684.849	684.620	684.632	684.883	684.610	684.615	---	---	23
24	---	---	684.875	684.739	684.831	684.635	684.631	684.889	684.604	684.628	---	---	24
25	---	---	684.887	684.721	684.855	684.628	684.638	684.863	684.619	684.629	---	---	25
26	---	---	684.888	684.708	684.848	684.632	684.647	684.844	684.641	684.628	---	---	26
27	---	---	684.903	684.695	684.903	684.615	684.671	684.826	684.627	684.645	---	---	27
28	684.583	---	684.914	684.729	684.891	684.607	684.707	684.830	684.626	684.627	---	---	28
29	---		684.939	684.760	684.898	684.600	684.768	684.809	684.632	684.615	---	---	29
30	---		684.952	684.747	684.877	684.606	684.768E	684.794	684.637	684.661	---	---	30
31	---		684.958		684.865		684.768E	684.769		684.637		---	31
MEAN	---	---	---	684.842	684.799	684.689	684.628	---	684.645	684.629	---	---	MEAN
MAX	---	---	---	684.989	684.903	684.848	684.768	---	684.744	684.661	---	---	MAX
MIN	---	---	---	684.695	684.645	684.600	684.572	---	684.604	684.615	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 47 20 N
LONG 112 42 30 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

E - ESTIMATED

REGULATED

DRAINAGE AREA,
7 240 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DRIFTPILE RIVER NEAR DRIFTPILE - STATION NO. 07BH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.4310	1.05 B	8.29	8.05	1.98	8.53	0.760	12.0	---	---	1
2	---	---	0.4330	1.25 B	9.06	6.83	1.76	8.64	0.790	10.6	---	---	2
3	---	---	0.4170	0.8150	13.5	5.87	1.52	8.35	0.823	8.68	---	---	3
4	---	---	0.4000	0.7160	19.6	5.14	1.44	28.1	1.12	12.7	---	---	4
5	---	---	0.3980	0.7529	21.3	4.83	8.30	19.0	1.08	25.8 A	---	---	5
6	---	---	0.4020	1.87 B	21.7	4.19	16.3	11.1	0.942	18.1 A	---	---	6
7	---	---	0.4410	3.43 B	19.1	3.74	9.19	7.73	0.866	14.2 A	---	---	7
8	---	---	0.4830	5.58 B	24.0	3.99	6.29	6.86	0.781	21.3 A	---	---	8
9	---	---	0.4900	7.84 B	23.6	3.90	5.06	5.00	0.728	16.5 A	---	---	9
10	---	---	0.4450	9.18 B	21.2	3.26	8.72	4.07	0.705	11.9 A	---	---	10
11	---	---	0.4088	8.85 B	18.5	3.02	11.6	3.37	0.842	8.92	---	---	11
12	---	---	0.3788	8.85 B	16.0	4.75	18.3	2.79	1.50	7.47	---	---	12
13	---	---	0.3418	6.84 B	17.0	6.51	15.6	2.29	2.61	6.50	---	---	13
14	---	---	0.2998	5.18 B	19.7	5.11	17.0	1.97	1.76	5.55	---	---	14
15	---	---	0.3018	5.04 B	21.2	4.04	53.4	1.68	1.46	5.01	---	---	15
16	---	---	0.2928	5.16 B	17.4	3.48	84.1	1.48	1.26	4.59	---	---	16
17	---	---	0.3038	6.25 B	15.4	3.37	72.9	1.39	1.15	4.11	---	---	17
18	---	---	0.2738	9.18 B	16.1	3.08	191	1.35	1.09	3.81	---	---	18
19	---	---	0.2978	11.4 B	16.0	3.81	128	1.24	1.04	3.49	---	---	19
20	---	---	0.2988	13.5	16.6	16.4	54.2	1.13	0.986	3.24	---	---	20
21	---	---	0.3518	17.8	17.5	12.4	32.8	1.07	0.925	3.11	---	---	21
22	---	---	0.4118	16.0	39.5	8.21	21.9	1.04	0.897	2.91	---	---	22
23	---	---	0.4788	12.3	63.0	6.14	17.5	1.01	0.879	2.74	---	---	23
24	---	0.2228	0.4588	10.0	36.1	4.92	34.0	1.01	0.836	2.70	---	---	24
25	---	0.2378	0.4189	8.24	27.4	4.22	24.8	0.975	0.814	2.61	---	---	25
26	---	0.3158	0.4278	7.20	22.6	3.65	17.2	0.927	0.839	2.67	---	---	26
27	---	0.3918	0.5268	7.74	19.7	3.03	15.3	0.902	1.24	2.46	---	---	27
28	---	0.4238	0.6118	11.0	16.1	2.87	14.6	0.863	12.1	2.62	---	---	28
29	---		0.5798	12.6	13.2	2.58	13.5	0.835	14.9	2.80	---	---	29
30	---		0.5708	10.7	11.2	2.23	11.1	0.809	10.6	2.55A	---	---	30
31	---		0.6758		9.53		10.4	0.756		2.50E	---	---	31
TOTAL	---	---	13.035	226.113	613.28	193.34	921.66	131.267	66.325	234.14	---	---	TOTAL
MEAN	---	---	0.420	7.54	19.8	6.11	29.7	4.23	2.21	7.55	---	---	MEAN
MAX	---	---	0.675	17.8	63.0	16.4	191	28.1	14.9	25.8	---	---	MAX
MIN	---	---	0.273	0.715	8.29	2.23	1.44	0.756	0.705	2.46	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.63
MAXIMUM DAILY, 191 ON JUL 18
MINIMUM DAILY, 0.2738 ON MAR 18
MAXIMUM INSTANTANEOUS,
273 AT 22:00 MST ON JUL 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 20 48 N
LONG 115 47 39 W
DRAINAGE AREA, 837 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	79 600
FEB	---	AUG	11 300
MAR	1 130	SEP	5 730
APR	19 500	OCT	20 200
MAY	53 000	NOV	---
JUN	13 200	DEC	---

TOTAL DISCHARGE, 204 000 dam³

DRIFTWOOD RIVER NEAR THE MOUTH - STATION NO. 07BK007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.14 B	1.03 B	0.5550	0.6328	15.9	12.8	18.0	21.1	3.61	1.47	1.26 B	0.7230	1
2	1.21 B	0.9620	0.5120	0.5748	14.3	11.1	12.8	19.4	3.33	1.42	1.67	0.6720	2
3	1.18 B	0.9320	0.4818	0.5838	15.6	10.1	11.5	16.5	2.91	1.44	1.65	0.6720	3
4	1.08 B	0.8930	0.4168	0.6028	16.2	9.61	10.5	14.9	2.56	1.44	1.62	0.6570	4
5	1.09 B	0.8480	0.4628	0.6218	17.8	9.03	11.4	20.9	2.41	1.49	1.47 B	0.6770	5
6	1.08 B	0.8098	0.4408	0.6488	17.2	8.49	15.9	20.2	2.23	1.45	1.15 B	0.6350	6
7	1.13 B	0.7718	0.4298	0.7188	16.3	8.22	14.7	18.8	2.07	1.44	1.00 B	0.6380	7
8	1.18 B	0.7538	0.4408	1.01 B	15.7	8.09	12.9	17.2	1.88	1.56	0.8438	0.6250	8
9	1.20 B	0.6748	0.4598	7.22 B	15.8	7.07	12.1	16.9	1.74	1.54	0.7328	0.5468	9
10	1.19 B	0.6118	0.4838	6.92 B	15.9	6.74	10.8	14.9	1.64	1.45	0.7008	0.5078	10
11	1.17 B	0.5808	0.4898	3.92 B	15.6	6.66	11.4	13.9	1.48	1.44	0.7188	0.6350	11
12	1.14 B	0.5008	0.4818	1.83 B	15.3	6.63	23.6	12.7	1.47	1.48	0.7568	0.5628	12
13	1.11 B	0.5008	0.4318	2.20 B	14.8	7.66	25.2	11.6	1.33	1.40	0.8218	0.5868	13
14	1.06 B	0.4858	0.4238	1.35 B	14.5	7.60	23.5	10.8	1.26	1.42	0.8828	0.5508	14
15	1.05 B	0.4008	0.4788	1.06 B	13.7	7.18	28.8	9.69	1.20	1.43	0.9048	0.5328	15
16	1.05 B	0.5958	0.5738	0.8168	12.6	6.56	37.1	9.47	1.12	1.39	0.8548	0.5118	16
17	1.00 B	0.6808	0.6118	0.6918	11.7	6.18	35.6	9.18	1.06	1.45	0.8098	0.4658	17
18	1.01 B	0.5408	0.5988	0.6958	11.2	5.95	46.6	8.91	1.01	1.40	0.7618	0.4738	18
19	1.01 B	0.5008	0.6028	0.8548	10.7	6.43	60.6	8.11	0.951	1.39	0.7348	0.4808	19
20	0.9358	0.5108	0.6818	2.01 B	10.7	11.2	44.2	7.47	0.912	1.41	0.7088	0.4688	20
21	0.7768	0.5208	0.7428	8.09 B	11.0	21.2	35.3	7.13	0.874	1.42	0.7058	0.4628	21
22	0.8328	0.5308	0.7718	13.7	31.9	53.1	31.3	6.66	0.838	1.42	0.7118	0.4418	22
23	0.7958	0.5408	0.7008	10.8	45.3	39.9	28.6	6.39	0.762	1.44	0.6908	0.4368	23
24	0.8718	0.5408	0.6218	8.76	35.5	29.0	26.8	5.94	0.896	1.46	0.7088	0.4808	24
25	0.8378	0.5308	0.5428	7.78	26.3	23.3	25.7	5.52	0.841	1.45	0.8898	0.4778	25
26	0.8889	0.5898	0.5788	8.12	24.0	19.7	25.6	5.20	0.846	1.46	0.7148	0.5058	26
27	0.8219	0.6108	0.7428	8.89	20.7	16.4	25.8	5.00	0.983	1.45	0.6358	0.5268	27
28	0.8488	0.5508	0.7988	15.3	18.2	19.1	26.2	4.86	1.16	1.51	0.7008	0.5238	28
29	0.8938		0.8488	20.8	16.8	16.8	25.1	4.60	1.31	1.398	0.7808	0.5408	29
30	1.02 B		0.7938	19.2	15.2	14.8	23.7	4.28	1.44	1.368	0.7958	0.5568	30
31	1.05 B		0.7188		13.8		22.1	3.81		1.278		0.5328	31
TOTAL	32.027	18.402	17.986	156.405	554.1	414.21	789.3	347.24	48.073	44.82	27.137	17.220	TOTAL
MEAN	1.03	0.657	0.561	5.21	17.9	13.8	24.5	11.2	1.54	1.44	0.905	0.555	MEAN
MAX	1.21	1.03	0.848	20.8	45.3	53.1	60.6	21.1	3.61	1.56	1.67	0.723	MAX
MIN	0.765	0.500	0.415	0.576	10.7	6.05	10.5	3.81	0.762	1.36	0.650	0.436	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.67
MAXIMUM DAILY, 60.6 ON JUL 19
MINIMUM DAILY, 0.4188 ON MAR 6
MAXIMUM INSTANTANEOUS,
64.9 AT 03:30 MST ON JUL 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 19 19 N
LONG 114 13 54 W
DRAINAGE AREA, 2 100 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 770	JUL	85 580
FEB	1 590	AUG	30 000
MAR	1 550	SEP	3 840
APR	13 500	OCT	3 860
MAY	47 800	NOV	2 340
JUN	35 800	DEC	1 480

TOTAL DISCHARGE, 210 000 dam³

DRY COULEE NEAR MACRATH - STATION NO. 05AE041

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.068	0.267	0.237	0.408	0.430	0.123	0.0158	---	1
2	---	---	---	---	0.068	0.822	0.258	0.381	0.410	0.119	0.0178	---	2
3	---	---	---	---	0.068	0.662	0.293	0.432	0.268	0.162	0.038	---	3
4	---	---	---	---	0.066	0.806	0.456	0.890	0.175	0.109	0.0234	---	4
5	---	---	---	---	0.116	0.604	0.438	0.980	0.455	0.085	---	---	5
6	---	---	---	---	0.089	0.410	0.894	0.668	0.248	0.083	---	---	6
7	---	---	---	---	0.063	0.385	1.14	0.426	0.225	0.116	---	---	7
8	---	---	---	---	0.031	0.304	0.585	0.267	0.198	0.121	---	---	8
9	---	---	---	---	0.026	0.533	0.672	0.221	0.276	0.123	---	---	9
10	---	---	---	---	0.035	0.373	0.711	0.172	0.286	0.077	---	---	10
11	---	---	---	---	0.023	0.272	0.512	0.262	0.184	0.049	---	---	11
12	---	---	---	---	0.020	0.338	0.331	0.190	0.141	0.035	---	---	12
13	---	---	---	---	0.017	0.463	0.230	0.332	0.139	0.029	---	---	13
14	---	---	---	---	0.019	0.471	0.314	0.212	0.188	0.026	---	---	14
15	---	---	---	---	0.026	0.330	0.247	0.168	0.154	0.024	---	---	15
16	---	---	---	---	0.030	0.343	0.389	0.145	0.153	0.023	---	---	16
17	---	---	---	---	0.018	0.307	0.690	0.160	0.116	0.020	---	---	17
18	---	---	---	---	0.016	0.218	0.632	0.132	0.172	0.019	---	---	18
19	---	---	---	---	0.014	0.981	0.764	0.127	0.238	0.017	---	---	19
20	---	---	---	---	0.012	0.281	0.384	0.141	0.197	0.016	---	---	20
21	---	---	---	---	0.181	0.243	0.344	0.189	0.174	0.015	---	---	21
22	---	---	---	---	0.056	0.189	0.285	0.309	0.145	0.016	---	---	22
23	---	---	---	---	0.410	0.347	0.366	0.271	0.189	0.012	---	---	23
24	---	---	---	---	0.123	0.283	0.407	0.181	0.206	0.011	---	---	24
25	---	---	---	---	0.107	0.178	0.495	0.139	0.310	0.011	---	---	25
26	---	---	---	---	0.131	0.188	0.488	0.163	0.582	0.009	---	---	26
27	---	---	---	---	0.076	0.347	0.596	0.119	0.236	0.010	---	---	27
28	---	---	---	0.0118	0.186	0.483	0.548	0.202	0.172	0.009	---	---	28
29	---	---	---	0.011	0.086	0.529	0.307	0.403	0.181	0.008	---	---	29
30	---	---	---	0.009	0.158	0.463	0.276	0.418	0.170	0.0128	---	---	30
31	---		---		0.140		0.412	0.394		0.0108		---	31
TOTAL	---	---	---	---	2.707	11.774	15.043	8.966	7.207	1.493	---	---	TOTAL
MEAN	---	---	---	---	0.087	0.392	0.485	0.289	0.240	0.048	---	---	MEAN
MAX	---	---	---	---	0.656	0.806	1.14	0.680	0.582	0.162	---	---	MAX
MIN	---	---	---	---	0.008	0.189	0.230	0.108	0.116	0.008	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.256
MAXIMUM DAILY, 1.14 ON JUL 7
MINIMUM DAILY, 0.008 ON MAY 1

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 29 33 N
LONG 112 55 08 W
DRAINAGE AREA, 54.9 km²
B - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 300
FEB	---	AUG	775
MAR	---	SEP	633
APR	---	OCT	139
MAY	234	NOV	---
JUN	1 030	DEC	---

TOTAL DISCHARGE, 4 080 dam³

DRYWOOD CREEK NEAR THE MOUTH - STATION NO. 05AD010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.8578	1.15 B	4.03	2.73	3.86	16.0	2.45	0.918	1.08	4.38	2.62	1.638	1
2	0.8918	1.06 B	3.69	2.86	3.68	15.3	2.31	0.910	0.981	4.34	2.67	1.738	2
3	0.8968	1.18 B	3.58	2.81	4.25	13.5	2.32	0.896	0.866	3.84	2.52	1.688	3
4	0.8478	0.9748	3.29	2.86	7.40	11.9	2.32	0.906	0.873	4.05	2.46	1.578	4
5	0.7308	0.7308	3.07	3.52	6.18	13.1	2.34	0.977	1.06	4.23	2.58	1.568	5
6	0.9008	0.9318	2.84	2.48	6.30	14.2	2.14	0.868	0.985	5.21	2.63	1.638	6
7	0.8458	0.8618	2.89	2.47	7.40	14.3	1.93	0.841	0.950	11.2	2.14	1.328	7
8	0.8008	1.10 B	3.02	2.50	6.88	13.2	1.86	0.836	1.00	13.0	1.648	1.298	8
9	0.7658	1.45 B	2.80	3.56	6.66	11.3	1.87	0.921	1.51	10.6	1.528	1.248	9
10	0.8278	1.36 B	2.69	3.01	8.28	9.97	1.72	0.975	1.46	9.67	1.518	1.228	10
11	0.8328	1.07 B	2.49	3.39	8.14	9.51	1.63	0.883	1.28	8.23	1.518	1.228	11
12	0.7588	1.33 B	2.33	3.36	8.48	9.20	1.62	0.818	1.55	7.03	1.518	1.338	12
13	0.8618	1.24 B	2.27	3.07	8.28	7.75	1.57	0.825	1.78	6.65	1.578	1.278	13
14	0.8388	1.05 B	2.35	3.00	8.14	6.66	1.50	0.725	1.85	6.73	1.688	1.308	14
15	0.8088	1.98 B	2.23	3.18	8.38	6.71	1.45	0.744	1.90	5.15	1.808	1.228	15
16	0.8638	1.84 B	2.18	3.17	8.77	6.38	1.81	0.782	2.08	4.70	2.418	1.388	16
17	0.8618	1.36 B	2.12	2.98	8.80	5.78	1.41	0.743	2.81	4.35	2.708	1.808	17
18	0.9278	1.18 B	2.05	2.72	8.81	5.53	1.36	0.643	4.42	4.13	2.308	2.308	18
19	1.81 B	1.84 B	2.12	2.57	9.84	5.12	1.31	0.694	4.20	3.79	3.308	2.608	19
20	1.82 B	2.96 B	2.19	2.86	13.7	4.69	1.30	0.708	3.84	3.60	3.908	2.806	20
21	1.23 B	1.66 B	2.23	2.93	15.8	4.06	1.26	0.732	3.55	3.24	3.508	2.788	21
22	1.17 B	1.38 B	2.37	7.78	15.9	3.94	1.24	0.693	3.47	3.13	3.508	2.638	22
23	1.67 B	1.21 B	2.27	13.1	12.1	3.28	1.20	0.651	5.17	2.93	3.408	2.188	23
24	1.77 B	5.32 B	2.15	9.83	9.73	3.30	1.19	0.679	5.85	2.83	3.408	1.998	24
25	1.10 B	10.8 B	2.03	7.75	10.0	3.41	1.14	0.678	6.52	2.88	3.308	1.818	25
26	1.28 B	8.08	1.83	6.83	13.7	3.38	1.14	0.719	5.96	2.50	3.578	1.608	26
27	1.46 B	5.28	1.86	6.78	17.9	3.19	1.08	0.672	5.86	2.64	3.358	1.428	27
28	1.44 B	4.60	2.00	6.68	20.3	3.03	1.02	0.651	4.91	3.15	3.158	1.368	28
29	1.18 B		2.24	4.61	21.6	2.88	0.930	0.680	4.15	3.12	3.008	1.358	29
30	1.16 B		2.56	4.22	19.7	2.68	0.940	0.898	3.78	2.15	1.908	1.308	30
31	1.17 B		2.78		18.0		0.959	1.16		2.84		1.238	31
TOTAL	31.834	84.886	78.58	123.88	306.98	231.85	47.980	24.853	86.886	181.60	73.21	51.00	TOTAL
MEAN	1.03	3.32	2.53	4.13	9.90	7.73	1.55	0.702	2.89	5.19	2.44	1.65	MEAN
MAX	1.77	10.8	4.03	13.1	21.6	16.0	2.45	1.16	6.52	13.0	3.50	2.80	MAX
MIN	0.847	0.730	1.83	2.47	3.86	2.68	0.930	0.643	0.866	2.80	1.91	1.22	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.61
MAXIMUM DAILY, 21.6 ON MAY 29
MINIMUM DAILY, 0.6478 ON JAN 4
MAXIMUM INSTANTANEOUS,
22.1 m³/s 04:10 MST ON MAY 29

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 17 38 N
LONG 113 47 38 W
DRAINAGE AREA, 238 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 750	JUL	4 150
FEB	5 800	AUG	2 120
MAR	6 780	SEP	7 480
APR	10 700	OCT	13 800
MAY	26 500	NOV	6 330
JUN	20 000	DEC	4 410

TOTAL DISCHARGE, 111 000 dam³

DRYWOOD CREEK NEAR TWIN BUTTE - STATION NO. 05AD016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.400E	0.671	4.27	0.681	0.218	0.128	0.730	0.499	---	1
2	---	---	---	0.403A	0.643	4.04	0.828	0.223	0.123	0.720	0.482	---	2
3	---	---	---	0.394	0.858	3.26	0.623	0.234	0.122	0.663	0.469	---	3
4	---	---	---	0.384	1.16	2.83	0.826	0.226	0.126	0.782	0.425	---	4
5	---	---	---	0.392	1.12	3.08	0.579	0.216	0.152	1.02	0.446A	---	5
6	---	---	---	0.390	1.11	3.34	0.518	0.208	0.150	1.38	---	---	6
7	---	---	---	0.388	1.03	3.27	0.481	0.204	0.148	1.64	---	---	7
8	---	---	---	0.413	1.04	2.71	0.457	0.198	0.180	1.73	---	---	8
9	---	---	---	0.473	1.05	2.34	0.437	0.205	0.200	1.56	---	---	9
10	---	---	---	0.521	1.01	2.20	0.411	0.193	0.176	1.40	---	---	10
11	---	---	---	0.548	0.984	2.20	0.398	0.208	0.192	1.23	---	---	11
12	---	---	---	0.5318	0.911	2.06	0.404	0.175	0.226	1.12	---	---	12
13	---	---	0.313	0.4618	0.914	1.74	0.369	0.181	0.252	1.06	---	---	13
14	---	---	---	0.4488	0.922	1.62	0.351	0.172	0.277	0.954	---	---	14
15	---	---	---	0.471	0.871	1.57	0.361	0.170	0.330	0.878	---	---	15
16	---	---	---	0.499	0.862	1.45	0.357	0.168	0.389	0.814	---	---	16
17	---	---	---	0.484	0.933	1.35	0.362	0.161	0.494	0.776	---	---	17
18	---	---	---	0.457	1.16	1.33	0.348	0.155	0.654	0.729	---	---	18
19	---	---	---	0.478	1.72	1.23	0.331	0.151	0.607	0.700	---	---	19
20	---	---	---	0.478	2.44	1.16	0.337	0.158	0.603	0.648	---	---	20
21	---	---	---	0.517	2.99	1.04	0.323	0.144	0.572	0.613	---	---	21
22	---	---	---	1.52	3.12	0.962	0.308	0.133	0.539	0.584	---	---	22
23	---	---	---	1.74	2.20	0.940	0.302	0.133	0.888	0.551	---	---	23
24	---	---	---	1.26	1.81	0.977	0.285	0.128	0.939	0.504	---	---	24
25	---	---	0.325	1.10	2.06	0.956	0.274	0.131	1.06	0.495	---	---	25
26	---	0.8148	---	0.978	3.30	0.927	0.296	0.127	1.10	0.523	---	---	26
27	---	---	---	0.862	4.58	0.856	0.267	0.126	0.984	0.632	---	---	27
28	---	---	---	0.780	5.53	0.812	0.251	0.120	0.854	0.638	---	---	28
29	---		---	0.726	5.68	0.779	0.247	0.115	0.744	0.590	---	---	29
30	---		---	0.671	5.23	0.719	0.247	0.140	0.692	0.585	---	---	30
31	---		---		4.66		0.238	0.161		0.532	---	---	31
TOTAL	---	---	---	18.296	62.567	55.986	12.085	5.281	13.971	28.791	---	---	TOTAL
MEAN	---	---	---	0.843	2.02	1.87	0.390	0.170	0.465	0.884	---	---	MEAN
MAX	---	---	---	1.74	5.68	4.27	0.681	0.234	1.10	1.73	---	---	MAX
MIN	---	---	---	0.384	0.643	0.719	0.238	0.118	0.122	0.495	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.916
MAXIMUM DAILY, 5.68 ON MAY 29
MINIMUM DAILY, 0.115 ON AUG 29
MAXIMUM INSTANTANEOUS,
5.90 AT 02 15 MST ON MAY 29

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 18 00 N
LONG 114 00 30 W
DRAINAGE AREA, 29.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 050
FEB	---	AUG	456
MAR	---	SEP	1 210
APR	1 670	OCT	2 310
MAY	5 410	NOV	---
JUN	4 840	DEC	---

TOTAL DISCHARGE, 16 900 dam³

DUTCH CREEK NEAR THE MOUTH - STATION NO. 05AA026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	2.22	13.7	2.35	1.06	0.685	0.903	0.7458	---	1
2	---	---	---	---	2.34	12.5	2.29	1.02	0.588	0.929	0.7558	---	2
3	---	---	---	---	3.46	10.4	2.36	0.989	0.571	0.856	0.7708	---	3
4	---	---	---	---	4.65	8.53	2.45	0.968	0.582	0.845	0.7848	---	4
5	---	---	---	---	4.29	7.60	2.34	0.952	0.755	0.995	---	---	5
6	---	---	---	---	4.05	7.28	2.21	0.842	0.683	1.11	---	---	6
7	---	---	---	---	3.77	6.85	2.10	0.678	0.611	1.23	---	---	7
8	---	---	---	---	3.89	6.68	2.04	0.673	0.588	1.28	---	---	8
9	---	---	---	---	4.03	6.28	2.02	0.893	0.634	1.27	---	---	9
10	---	---	---	---	4.08	6.07	1.87	0.840	0.642	1.28	---	---	10
11	---	---	---	---	3.88	6.16	1.83	0.918	0.712	1.21	---	---	11
12	---	---	---	---	3.81	5.73	1.80	0.850	0.662	1.17	---	---	12
13	---	---	---	---	3.79	5.00	1.71	0.853	0.649	1.12	---	---	13
14	---	---	---	---	3.50	4.74	1.61	0.798	0.610	1.07	---	---	14
15	---	---	---	---	3.28	5.18	1.55	0.748	0.586	1.04	---	---	15
16	---	---	---	---	3.27	4.52	1.58	0.720	0.584	1.02	---	---	16
17	---	---	---	---	3.49	4.09	1.69	0.887	0.560	0.995	---	---	17
18	---	---	---	---	4.01	4.18	1.64	0.844	0.592	0.971	---	---	18
19	---	---	---	---	5.33	4.06	1.44	0.832	0.598	0.934	---	---	19
20	---	---	---	---	6.90	3.89	1.38	0.828	0.597	0.913	---	---	20
21	---	---	---	---	10.9	3.28	1.36	0.807	0.588	0.886	---	---	21
22	---	---	---	8.30A	9.63	3.12	1.38	0.883	0.656	0.860	---	---	22
23	---	---	---	5.00	7.27	3.05	1.38	0.862	0.626	0.840	---	---	23
24	---	---	---	3.37	6.89	3.06	1.38	0.849	0.628	0.805	---	---	24
25	---	---	---	2.90	8.46	2.97	1.31	0.832	0.743	0.777	---	---	25
26	---	---	---	2.67	12.8	2.84	1.32	0.813	0.912	0.770	---	---	26
27	---	---	---	2.60	16.5	2.68	1.38	0.807	0.862	0.834	---	---	27
28	---	---	---	2.58	19.4	2.58	1.28	0.882	0.789	0.911	---	---	28
29	---		---	2.42	18.4	2.75	1.19	0.870	0.782	0.834	---	---	29
30	---		---	2.27	16.5	2.52	1.13	0.880	0.812	0.886	---	---	30
31	---		---		15.2		1.10	0.843		0.7258		---	31
TOTAL	---	---	---	---	219.59	182.04	52.14	23.259	19.718	30.479	---	---	TOTAL
MEAN	---	---	---	---	7.09	6.40	1.68	0.750	0.657	0.983	---	---	MEAN
MAX	---	---	---	---	19.4	13.7	2.45	1.06	0.912	1.28	---	---	MAX
MIN	---	---	---	---	2.22	2.52	1.10	0.470	0.528	0.725	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.76
MAXIMUM DAILY, 19.4 ON MAY 28
MINIMUM DAILY, 0.470 ON AUG 28
MAXIMUM INSTANTANEOUS,
21.2 AT 21 05 MST ON MAY 28

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 54 05 N
LONG 114 25 49 W
DRAINAGE AREA, 143 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 586
FEB	---	AUG	2 010
MAR	---	SEP	1 700
APR	---	OCT	2 630
MAY	19 000	NOV	---
JUN	14 000	DEC	---

TOTAL DISCHARGE, 43 800 dam³

EAST PRAIRIE RIVER NEAR ENILDA - STATION NO. 07BF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.295B	4.15B	16.2	14.2	3.33	19.7	5.24	13.2	---	---	1
2	---	---	0.300B	4.43B	11.4	11.2	3.15	17.8	4.68	12.3	---	---	2
3	---	---	0.350B	4.40B	11.8	8.90	2.87	16.4	4.22	11.2	---	---	3
4	---	---	0.400B	4.47B	19.8	8.34	2.79	13.6	3.87	10.3	---	---	4
5	---	---	0.800B	5.94B	29.9	7.22	2.73	12.6	3.33	11.2	---	---	5
6	---	---	1.00 B	8.98B	28.5	6.42	4.36	24.5	2.67	22.5	---	---	6
7	---	---	0.900B	14.9 B	28.5	5.69	18.6	18.3	2.20	18.8	---	---	7
8	---	---	0.700B	23.5 B	23.1	5.34	10.0	13.6	1.88	23.8	---	---	8
9	---	---	0.600B	22.3 B	23.8	5.17	8.14	12.4 E	1.78	27.0	---	---	9
10	---	---	0.500B	29.3 B	22.6	4.71	8.70	11.2 E	1.74	25.5	---	---	10
11	---	---	0.450B	34.2	21.0	4.57	8.54	9.84	2.64	24.0	---	---	11
12	---	---	0.400B	28.9	19.6	4.22	15.0	8.64	3.49	21.9	---	---	12
13	---	---	0.400B	24.7	16.6	4.78	22.2	6.78	5.17	19.8	---	---	13
14	---	---	0.400B	17.0	18.3	5.14	38.7	5.80	4.92	16.9	---	---	14
15	---	---	0.450B	8.22	21.9	5.48	32.9	5.24	4.43	14.7	---	---	15
16	---	---	0.450B	5.14	27.1	4.68	99.2	4.99	3.27	11.1	---	---	16
17	---	---	0.500B	5.34	25.2	4.64	139	4.78	2.50	9.06	---	---	17
18	---	---	0.550B	4.47	23.7	4.29	125	4.19	2.10	6.74	---	---	18
19	---	---	0.600B	7.26	21.6	4.40	232	3.91	2.03	5.98	---	---	19
20	---	---	0.800B	9.94	20.7	4.71	94.7	3.73	1.95	5.59	---	---	20
21	---	---	1.80 B	16.2	20.1	20.6	59.4	3.39	1.93	5.27	---	---	21
22	---	---	2.20 B	29.0	27.7	15.3	42.6	3.36	1.93	4.78	---	---	22
23	---	---	2.38 B	25.1	45.8	10.4	32.7	3.24	1.88	4.36	---	---	23
24	---	0.272B	2.30 B	16.4	54.2	8.62	26.2	3.06	1.80	4.08	---	---	24
25	---	0.275B	2.20 B	13.7	51.1	8.30	70.0	2.53	1.66	3.84	---	---	25
26	---	0.280B	2.00 B	9.78	38.8	4.50	46.9	2.50	1.66	3.63	---	---	26
27	---	0.285B	2.33 B	7.10	30.7	4.08	35.7	2.35	1.90	3.39	---	---	27
28	---	0.290B	3.59 B	7.84	26.0	3.87	28.3	2.18	2.30	3.30	---	---	28
29	---		3.66 B	10.8	20.9	3.65	23.4	2.03	10.1	3.24	---	---	29
30	---		3.59 B	15.5	18.5	3.52	23.0	1.93	17.8	3.00	---	---	30
31	---		4.33 B		16.3		22.3	1.83		2.94		---	31
TOTAL	---	---	41.225	420.56	782.7	205.95	1 278.51	246.30	107.07	353.40	---	---	TOTAL
MEAN	---	---	1.33	14.0	25.2	6.87	41.2	7.95	3.57	11.4	---	---	MEAN
MAX	---	---	4.33	34.2	54.2	20.6	232	24.5	17.8	27.0	---	---	MAX
MIN	---	---	0.295	4.15	11.4	3.52	2.73	1.83	1.66	2.94	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 14.0
MAXIMUM DAILY, 232 ON JUL 19
MINIMUM DAILY, 0.295B ON MAR 1
MAXIMUM INSTANTANEOUS,
295 AT 08:00 MST ON JUL 19

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 25 00 N
LONG 118 20 20 W
DRAINAGE AREA, 1 460 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHAREE
IN CUBIC DECAMETRES

JAN	---	JUL	110 000
FEB	---	AUG	21 300
MAR	3 560	SEP	8 250
APR	36 300	OCT	30 500
MAY	67 500	NOV	---
JUN	17 800	DEC	---

TOTAL DISCHARGE, 295 000 dam³

EASTERN IRRIGATION DISTRICT EAST BRANCH CANAL NEAR LATHOM - STATION NO. 05CJ003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0 A	36.5	24.3	37.8	32.8	34.6	35.5	0.500E	---	1
2	---	---	---	0	37.3	30.3	37.8	32.3	35.0	32.3	0.100E	---	2
3	---	---	---	0	36.4	32.9	35.8	32.9	34.5	23.7	0.100E	---	3
4	---	---	---	0	37.9	32.8	32.8	32.7	32.8	13.1	0.100E	---	4
5	---	---	---	0	36.1	32.5	34.1	33.3	33.4	9.61	0.100E	---	5
6	---	---	---	0	36.6	33.0	33.7	32.1	33.2	8.51	0.050E	---	6
7	---	---	---	0	36.3	32.4	33.9	32.2	33.3	8.34	0.040E	---	7
8	---	---	---	0	39.6	32.7	34.1	32.0	33.2	10.2	---	---	8
9	---	---	---	0	36.3	33.5	34.2	32.6	33.3	11.6	---	---	9
10	---	---	---	0	37.5	34.5	34.8	33.2	33.1	12.6	---	---	10
11	---	---	---	0	37.5	34.0	35.1	32.3	32.4	11.6	---	---	11
12	---	---	---	0	36.0	33.3	35.3	32.4	33.3	10.5	---	---	12
13	---	---	---	0	36.7	34.0	35.1	32.8	34.0	10.2	---	---	13
14	---	---	---	0	33.1	33.4	34.6	32.5	34.1	8.50	---	---	14
15	---	---	---	9.17	29.8	33.6	34.1	32.5	34.3	3.50 A	---	---	15
16	---	---	---	12.4	31.8	32.1	34.1	32.5	34.2	3.50 E	---	---	16
17	---	---	---	13.4	32.5	34.0	34.5	32.4	34.3	3.00 E	---	---	17
18	---	---	---	16.1	31.8	34.9	33.1	32.3	34.4	3.00 E	---	---	18
19	---	---	---	17.4	32.5	35.1	30.8	32.7	35.3	3.00 E	---	---	19
20	---	---	---	17.3	25.3	35.5	30.6	32.7	35.5	3.00 E	---	---	20
21	---	---	---	18.8	15.5	35.6	31.4	32.8	35.3	2.00 E	---	---	21
22	---	---	---	21.3	9.88	35.8	32.0	32.6	35.5	2.00 E	---	---	22
23	---	---	---	24.3	8.11	34.6	33.1	33.8	35.8	2.00 E	---	---	23
24	---	---	---	27.4	8.32	36.4	35.8	33.7	35.7	2.00 E	---	---	24
25	---	---	---	29.0	7.11	34.8	35.2	33.4	31.3	1.00 E	---	---	25
26	---	---	---	30.6	8.14	38.3	34.6	33.4	24.7	1.00 E	---	---	26
27	---	---	---	30.6	16.1	38.9	33.9	32.6	31.0	1.00 E	---	---	27
28	---	---	---	31.7	22.3	38.4	33.4	33.6	31.0	1.00 E	---	---	28
29	---		---	36.0	26.9	38.4	32.7	33.4	34.9	0.500E	---	---	29
30	---		---	37.7	28.4	38.0	33.0	34.1	36.8	0.500E	---	---	30
31	---		---		27.2		33.0	34.8		0.500E		---	31
TOTAL	---	---	---	372.17	688.56	1 037.1	1 084.7	1 018.3	1 010.2	238.760	---	---	TOTAL
MEAN	---	---	---	12.4	28.7	34.6	34.0	32.9	33.7	7.70	---	---	MEAN
MAX	---	---	---	37.7	39.6	38.3	37.9	34.8	36.8	35.5	---	---	MAX
MIN	---	---	---	0	7.11	28.3	30.6	32.0	24.7	0.500	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 39.6 ON MAY 8
MINIMUM DAILY, 0A ON APR 1

SUMMARY FOR THE MONTHS APR TO NOV

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 43 15 N
LONG 112 20 29 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	91 100
FEB	---	AUG	88 100
MAR	---	SEP	87 300
APR	32 200	OCT	20 600
MAY	70 800	NOV	---
JUN	80 900	DEC	---

EASTERN IRRIGATION DISTRICT NORTH BRANCH CANAL NEAR BASSANO - STATION NO 05CJ00.

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0 A	6.60A	13.0 A	13.5	12.6	12.7	3.60	0	---	1
2	---	---	---	0	9.50A	14.0 A	13.9	12.5	12.9	1.59	0	---	2
3	---	---	---	0	8.00E	14.0 A	13.8	12.6	12.8	0.784	0	---	3
4	---	---	---	0	6.50E	13.9 A	13.0	12.5	12.5	0.094	0	---	4
5	---	---	---	0	5.00A	13.8 A	13.5	12.8	12.7	0.038	0	---	5
6	---	---	---	0	4.70A	13.6 E	13.2	12.4	12.7	0.009	0	---	6
7	---	---	---	0	10.6 A	13.4 E	13.2	12.5	12.7	0	0A	---	7
8	---	---	---	0	15.9 A	13.1 A	13.2	12.5	12.6	0	---	---	8
9	---	---	---	0	15.6 A	13.5	13.0	12.5	12.6	0	---	---	9
10	---	---	---	0	15.5 E	13.4	13.1	12.4	12.7	0	---	---	10
11	---	---	---	0	15.4 A	13.3	13.2	12.4	12.8	0	---	---	11
12	---	---	---	0	15.1 A	13.0	13.3	12.4	12.7	0	---	---	12
13	---	---	---	0	13.0 E	13.3	13.2	12.5	12.4	0	---	---	13
14	---	---	---	0	11.6 A	13.0	13.1	12.4	12.4	0	---	---	14
15	---	---	---	0.358	11.6 E	13.1	13.1	12.3	12.4	0	---	---	15
16	---	---	---	0.705	11.5 A	12.8	13.0	12.3	12.3	0	---	---	16
17	---	---	---	2.91	11.0 E	13.3	13.3	12.3	12.4	0	---	---	17
18	---	---	---	4.13	10.8 E	13.3	13.1	12.2	12.3	0	---	---	18
19	---	---	---	3.96	10.5 E	13.1	12.5	12.4	12.1	0	---	---	19
20	---	---	---	4.00	10.0 A	13.0	12.4	12.2	12.0	0	---	---	20
21	---	---	---	5.72	10.3	13.1	12.7	12.4	11.9	0	---	---	21
22	---	---	---	7.57	10.5	13.1	12.8	12.4	11.8	0	---	---	22
23	---	---	---	9.22	11.3	11.0	12.6	12.6	12.0	0	---	---	23
24	---	---	---	10.3	11.5	1.78	12.6	12.7	11.8	0	---	---	24
25	---	---	---	10.2	12.0	7.64	12.7	12.5	12.1	0	---	---	25
26	---	---	---	10.1	11.9	11.4	12.9	12.5	11.9	0	---	---	26
27	---	---	---	10.1	12.1	13.0	12.7	12.7	11.6	0	---	---	27
28	---	---	---	10.5 A	12.6	13.0	12.7	12.8	11.5	0	---	---	28
29	---		---	10.2 A	12.3 A	12.8	12.7	12.7	10.3	0	---	---	29
30	---		---	0.820A	12.5 E	13.2	12.7	12.7	8.26	0	---	---	30
31	---		---		12.8 E		12.7	12.8		0		---	31
TOTAL	---	---	---	100.793	348.20	377.02	403.4	387.7	383.96	6.115	---	---	TOTAL
MEAN	---	---	---	3.35	11.2	12.6	13.0	12.5	12.1	0.197	---	---	MEAN
MAX	---	---	---	10.5	15.9	14.0	13.9	12.8	12.9	3.60	---	---	MAX
MIN	---	---	---	0	4.70	1.78	12.4	12.2	8.26	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO NOV

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 15.9A ON MAY 8
MINIMUM DAILY, 0A ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 45 00 N
LONG 112 25 00 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	34 900
FEB	---	AUG	33 500
MAR	---	SEP	31 400
APR	8 710	OCT	528
MAY	30 100	NOV	---
JUN	32 600	DEC	---

EASTERN IRRIGATION DISTRICT SPRINGHILL CANAL NEAR LATHOM - STATION NO 05CJ004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0A	0	22.4	20.7	18.2	7.43	2.00 A	0E	---	1
2	---	---	---	0	1.53 A	25.4	19.8	17.2	7.40	0.050E	0E	---	2
3	---	---	---	0	2.40	27.3	16.3	17.3	7.04	0 E	0E	---	3
4	---	---	---	0	2.38	27.2	15.0	17.4	6.43	0 E	0E	---	4
5	---	---	---	0	2.34	27.4	14.0	16.4	6.36	0 E	0E	---	5
6	---	---	---	0	2.19	27.5	13.0	13.1	6.32	0 E	0E	---	6
7	---	---	---	0	2.08	27.3	13.6	12.6	6.28	0 E	0A	---	7
8	---	---	---	0	2.13	27.4	14.3	12.7	6.26	0 E	---	---	8
9	---	---	---	0	3.84	27.2	16.8	12.9	6.26	0 E	---	---	9
10	---	---	---	0	4.88	26.6	18.2	12.9	5.62	0 E	---	---	10
11	---	---	---	0	4.81	26.2	18.5	12.9	5.24	0 E	---	---	11
12	---	---	---	0	3.00	26.0	18.5	12.2	5.24	0 E	---	---	12
13	---	---	---	0	1.80	26.7	18.7	11.8	5.20	0 E	---	---	13
14	---	---	---	0	1.67	27.4	19.9	11.8	5.21	0 E	---	---	14
15	---	---	---	0	1.27	27.6	21.6	11.8	5.22	0 E	---	---	15
16	---	---	---	0	0.924	27.6	22.2	11.8	4.33	0 E	---	---	16
17	---	---	---	0	0.808	27.6	21.0	11.8	3.73	0 E	---	---	17
18	---	---	---	0	0.713	24.9	19.3	10.6	3.83	0 E	---	---	18
19	---	---	---	0	0.646	23.1	18.2	9.86	5.27	0 E	---	---	19
20	---	---	---	0	1.78	22.4	18.4	9.74	6.07	0 E	---	---	20
21	---	---	---	0	3.91	22.5	18.9	9.81	6.05	0 E	---	---	21
22	---	---	---	0	5.42	22.5	19.6	8.83	6.08	0 E	---	---	22
23	---	---	---	0	4.88	22.6	19.9	8.26	6.06	0 E	---	---	23
24	---	---	---	0	4.27	23.6	21.1	8.26	6.07	0 E	---	---	24
25	---	---	---	0	4.21	24.1	21.2	8.38	4.14	0 E	---	---	25
26	---	---	---	0	5.83	24.0	20.8	8.54	2.84	0 E	---	---	26
27	---	---	---	0	9.07	24.9	20.7	8.58	2.89	0 E	---	---	27
28	---	---	---	0	11.1	26.7	20.3	8.60	2.91	0 E	---	---	28
29	---		---	0	13.2	25.8	19.8	8.60	2.92	0 E	---	---	29
30	---		---	0	15.0	22.3	19.3	7.92	2.95	0 E	---	---	30
31	---		---		19.9		19.1	7.45		0 E		---	31
TOTAL	---	---	---	0	138.872	784.0	578.9	356.14	157.45	2.050	---	---	TOTAL
MEAN	---	---	---	0	4.48	25.5	18.7	11.5	5.25	0.066	---	---	MEAN
MAX	---	---	---	0	19.9	27.6	22.2	18.2	7.43	2.00	---	---	MAX
MIN	---	---	---	0	0	22.3	13.0	7.45	2.84	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO NOV

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 27.6 ON JUN 16
MINIMUM DAILY, 0A ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 43 20 N
LONG 112 20 20 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	80 000
FEB	---	AUG	30 800
MAR	---	SEP	13 800
APR	0	OCT	177
MAY	12 000	NOV	---
JUN	66 000	DEC	---

ELBOW RIVER ABOVE ELBOW FALLS - STATION NO. 05BJ005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2.43	2.00	2.26	29.9	11.4	8.07	7.70	6.10	4.95	---	1
2	---	---	2.41	1.99	2.26	26.2	10.9	7.76	7.26	5.91	5.04	---	2
3	---	---	2.37	1.97	2.26	23.6	11.8	7.57	6.89	5.81	5.10A	---	3
4	---	---	2.30	1.99	2.44	19.8	10.9	7.57	6.74	6.05	---	---	4
5	---	---	2.23	1.99	2.86	21.4	10.2	7.47	6.90	6.41	---	---	5
6	---	---	2.17	2.00	3.01	22.5	9.72	7.35	6.80	8.02	---	---	6
7	---	---	2.14	2.01	3.13	22.3	9.43	7.06	6.33	8.82	---	---	7
8	---	---	2.16	2.03	3.14	20.7	9.28	7.06	6.24	8.90	---	---	8
9	---	---	2.10	2.05	3.25	19.5	9.71	7.07	6.14	8.58	---	---	9
10	---	---	2.05	2.08	3.60	18.0	9.39	6.80	6.09	8.25	---	---	10
11	---	---	2.02	2.08	3.96	18.5	8.95	6.87	6.06	7.72	---	---	11
12	---	---	2.02	2.10	3.98	16.8	8.68	7.37	5.98	7.45	---	---	12
13	---	---	2.00	2.16	3.86	14.3	8.47	10.1	5.86	7.19	---	---	13
14	---	---	1.93	2.03	3.88	13.5	8.19	8.67	5.74	6.96	---	---	14
15	---	---	1.96	2.03	3.79	21.6	8.28	8.00	5.80	6.76	---	---	15
16	---	---	1.95	2.10	4.08	17.0	8.59	7.48	5.55	6.83	---	---	16
17	---	---	1.93	2.11	4.61	14.4	10.7	7.10	5.67	6.55	---	---	17
18	---	---	2.00	2.07	5.07	15.7	9.37	6.72	5.52	6.38	---	---	18
19	---	---	1.91	2.07	5.91	14.9	9.38	6.47	5.38	6.23	---	---	19
20	---	---	1.97	2.15	8.77	12.4	9.13	6.70	5.35	6.09	---	---	20
21	---	---	2.08	2.24	15.8	10.7	8.91	6.85	5.19	5.96	---	---	21
22	---	---	2.08	2.28	16.4	9.76	8.66	6.67	5.11	5.80	---	---	22
23	---	---	1.95	2.43	10.9	9.69	8.68	6.58	5.04	5.72	---	---	23
24	---	---	1.94	2.43	10.3	10.9	8.48	6.45	5.01	5.63	---	---	24
25	---	---	1.94	2.42	15.2	10.8	8.16	6.40	5.94	5.53	---	---	25
26	---	---	1.96	2.37	28.0	10.2	8.04	6.24	6.14	5.44	---	---	26
27	---	2.12A	2.05	2.35	41.0	9.63	8.26	6.08	5.80	5.41	---	---	27
28	---	2.28	2.21	2.32	43.2	9.40	8.22	5.94	5.62	5.37	---	---	28
29	---		2.18	2.27	38.7	16.0	8.90	6.02	5.53	5.26	---	---	29
30	---		2.08	2.26	34.0	13.5	8.71	5.86	5.72	5.24	---	---	30
31	---		2.03		31.7		8.38	8.10		5.14		---	31
TOTAL	---	---	64.50	64.38	359.12	495.58	285.88	221.25	178.72	201.83	---	---	TOTAL
MEAN	---	---	2.08	2.15	11.6	16.5	9.22	7.14	5.96	6.49	---	---	MEAN
MAX	---	---	2.43	2.43	43.2	29.9	11.8	10.1	7.70	8.90	---	---	MAX
MIN	---	---	1.91	1.97	2.26	9.40	8.04	5.94	5.01	5.14	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.64
MAXIMUM DAILY, 43.2 ON MAY 28
MINIMUM DAILY, 1.91 ON MAR 19
MAXIMUM INSTANTANEOUS,
52.2 AT 23:25 MST ON MAY 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 51 20 N
LONG 114 47 37 W
DRAINAGE AREA, 437 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	24 700
FEB	---	AUG	19 100
MAR	5 570	SEP	15 400
APR	5 560	OCT	17 400
MAY	31 000	NOV	---
JUN	42 800	DEC	---

TOTAL DISCHARGE, 162 000 dam³

ELBOW RIVER AT BRAGG CREEK - STATION NO. 05BJ004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.968	2.808	3.808	3.53	3.75	34.5	15.1	10.6	8.94	11.6	7.56	5.45	1
2	2.958	2.888	3.908	3.50	3.71	32.7	14.0	10.1	8.38	11.4	7.84	5.328	2
3	2.948	2.698	4.008	3.43	3.75	28.2	14.6	9.90	7.94	10.7	8.06	5.268	3
4	2.938	2.758	4.008	3.57	4.59	24.1	14.1	9.76	7.80	11.0	7.98	5.318	4
5	2.928	2.808	3.908	3.60	5.73	25.9	13.5	9.66	8.35	11.7	7.95	5.278	5
6	2.918	2.828	3.93	3.80	6.59	26.4	12.7	9.58	7.98	13.9	7.86	5.008	6
7	3.008	2.808	4.06	3.62	6.44	25.8	12.2	9.02	7.58	15.3	7.37	4.808	7
8	3.208	2.808	3.86	3.69	6.26	24.8	11.8	9.00	7.34	16.0	6.73	4.608	8
9	3.398	2.808	3.63	3.70	6.32	23.8	12.4	9.30	7.31	15.4	6.30	4.398	9
10	3.348	2.808	3.50	3.71	6.98	21.9	11.8	8.77	7.24	14.9	6.238	4.108	10
11	3.308	2.788	3.44	3.84	7.70	21.8	11.3	8.78	7.21	14.0	6.148	3.768	11
12	3.208	2.758	3.37	3.53	7.74	20.8	10.9	9.84	7.12	13.2	6.008	3.708	12
13	3.108	2.758	3.32	3.43	7.57	18.8	10.8	12.8	7.08	12.5	6.448	3.688	13
14	3.058	2.758	3.29	3.34	7.83	17.6	10.2	11.7	6.97	11.9	6.328	3.908	14
15	2.988	2.758	3.31	3.30	7.34	23.6	10.4	10.6	6.85	11.6	6.858	4.108	15
16	2.958	2.728	3.27	3.48	7.84	20.4	11.7	9.88	6.86	11.3	6.758	4.008	16
17	2.958	2.708	3.23	3.72	8.98	17.9	16.8	9.22	7.22	11.0	6.718	3.908	17
18	2.918	2.608	3.26	3.86	9.67	16.4	15.1	8.69	7.06	10.5	6.418	3.808	18
19	2.758	2.508	3.25	3.61	11.6	17.9	14.5	8.46	6.85	10.3	6.568	3.728	19
20	2.598	2.508	3.41	3.82	14.6	16.0	13.5	8.25	6.79	9.98	6.458	3.658	20
21	2.608	2.608	3.80	4.04	24.0	14.3	12.7	7.99	6.68	9.78	6.21	3.608	21
22	2.618	2.708	3.78	4.22	24.6	13.0	12.5	7.62	6.51	9.51	6.02	3.558	22
23	2.658	2.808	3.54	4.34	20.3	12.5	12.6	7.55	6.43	9.28	6.07	3.508	23
24	2.758	3.508	3.38	4.17	18.1	13.5	12.2	7.47	6.37	9.02	5.98	3.508	24
25	2.858	5.008	3.33	4.04	20.0	13.7	11.7	7.37	8.35	8.80	5.99	3.508	25
26	2.958	4.008	3.37	3.97	31.4	12.9	11.4	7.28	10.9	8.67	5.81	3.508	26
27	2.988	3.708	3.65	3.92	45.4	12.4	11.8	7.08	10.3	8.62	5.84	3.508	27
28	2.958	3.908	4.05	3.88	48.9	12.0	11.4	6.85	9.25	8.53	5.928	3.508	28
29	2.908		4.12	3.82	46.2	17.7	12.5	6.75	8.96	8.34	6.058	3.508	29
30	2.838		3.91	3.77	38.6	17.7	12.0	7.74	9.35	8.33	5.808	3.458	30
31	2.678		3.67		37.1		11.3	9.43		8.06		3.408	31
TOTAL	91.07	82.94	112.33	111.65	590.54	601.0	389.3	276.56	232.07	345.20	198.22	126.23	TOTAL
MEAN	2.94	2.96	3.62	3.72	18.1	20.0	12.6	8.92	7.74	11.1	6.61	4.07	MEAN
MAX	3.35	5.00	4.12	4.34	48.9	34.5	16.8	12.6	10.9	16.0	8.08	5.49	MAX
MIN	2.58	2.50	3.23	3.30	3.71	12.0	10.2	6.75	6.37	8.06	5.80	3.40	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.40
MAXIMUM DAILY, 48.9 ON MAY 28
MINIMUM DAILY, 2.50 ON FEB 19
MAXIMUM INSTANTANEOUS,
57.2 AT 01:49 MST ON MAY 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 56 53 N
LONG 114 34 10 W
DRAINAGE AREA, 781 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 870	JUL	33 600
FEB	7 170	AUG	23 900
MAR	9 710	SEP	20 100
APR	8 650	OCT	28 600
MAY	43 200	NOV	17 100
JUN	51 900	DEC	10 900

TOTAL DISCHARGE, 265 000 dam³

ELBOW RIVER AT SARCEE BRIDGE - STATION NO. 05BJ010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	4.02	3.91	37.4	18.6	11.1	9.12	12.5	---	---	1
2	---	---	---	3.97	3.88	35.9	16.1	10.3	8.46	13.2	---	---	2
3	---	---	---	3.87	3.85	32.5	15.7	9.84	8.23	12.5	---	---	3
4	---	---	---	3.99	4.64	27.8	15.4	9.73	8.10	12.1	---	---	4
5	---	---	---	4.37	5.07	27.9	15.1	9.77	8.74	12.4	---	---	5
6	---	---	---	4.40	5.92	29.7	13.8	9.63	8.17	13.7	---	---	6
7	---	---	---	4.31	7.02	29.1	13.0	8.98	7.59	15.8	---	---	7
8	---	---	---	4.20	6.59	28.0	12.6	8.64	7.38	17.4	---	---	8
9	---	---	---	4.24	6.51	27.3	12.9	9.10	7.27	16.7	---	---	9
10	---	---	---	4.26	7.04	24.9	12.4	8.55	7.20	16.5	---	---	10
11	---	---	---	4.26	7.72	24.3	11.8	8.30	7.22	15.1	---	---	11
12	---	---	---	4.21	8.15	23.7	11.8	8.67	7.06	13.9	---	---	12
13	---	---	---	3.87	8.20	21.5	12.2	10.5	7.14	13.1	---	---	13
14	---	---	---	3.64	9.07	19.5	11.0	11.8	7.13	12.4	---	---	14
15	---	---	---	3.69	8.74	23.8	10.8	10.5	6.83	12.0	---	---	15
16	---	---	---	3.75	9.29	24.7	11.8	9.71	7.15	11.6	---	---	16
17	---	---	---	3.92	10.5	20.6	19.8	9.00	9.35	11.3	---	---	17
18	---	---	3.35A	3.95	10.7	20.1	18.8	8.44	8.02	10.9	---	---	18
19	---	---	3.89	3.90	11.6	20.3	16.1	8.02	7.42	10.5	---	---	19
20	---	---	3.97	4.05	13.3	18.4	14.8	7.89	7.26	10.1	---	---	20
21	---	---	4.48	4.26	20.7	16.2	13.6	7.62	6.80	9.78	---	---	21
22	---	---	4.91	4.52	28.4	14.5	12.9	7.31	6.47	9.51	---	---	22
23	---	---	4.52	4.74	24.1	13.7	13.0	7.15	6.35	9.25	---	---	23
24	---	---	3.87	4.56	20.5	13.9	12.7	7.03	6.30	9.00	---	---	24
25	---	---	4.02	4.40	19.9	14.7	12.2	7.05	9.76	8.78	---	---	25
26	---	---	3.82	4.39	28.3	13.8	12.3	6.87	16.3	8.57	---	---	26
27	---	---	4.36	4.29	40.2	13.6	12.1	6.64	15.9	8.39	---	---	27
28	---	---	4.96	4.15	48.6	13.2	11.9	6.42	13.1	8.28	---	---	28
29	---		4.83	4.07	49.7	20.0	12.7	6.27	11.5	8.10	---	---	29
30	---		4.48	3.95	43.0	23.7	12.8	7.89	10.7	8.05	---	---	30
31	---		4.16		39.7		11.8	8.91		8.18A		---	31
TOTAL	---	---	---	124.20	516.80	674.7	422.5	267.83	258.03	359.59	---	---	TOTAL
MEAN	---	---	---	4.14	16.7	22.5	13.6	8.63	8.60	11.6	---	---	MEAN
MAX	---	---	---	4.74	49.7	37.4	19.8	11.8	16.3	17.4	---	---	MAX
MIN	---	---	---	3.64	3.85	13.2	10.8	6.27	6.30	8.05	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.6
MAXIMUM DAILY, 49.7 ON MAY 29
MINIMUM DAILY, 3.85 ON MAY 3
MAXIMUM INSTANTANEOUS,
54.1 AT 12:50 MST ON MAY 29

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 59 40 N
LONG 114 10 00 W
DRAINAGE AREA, 1 180 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	35 500
FEB	---	AUG	23 100
MAR	---	SEP	22 300
APR	10 700	OCT	31 100
MAY	## 700	NOV	---
JUN	58 300	DEC	---

TOTAL DISCHARGE, 216 000 dam³

ELBOW RIVER BELOW GLENMORE DAM - STATION NO. 05BJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.18B	1.27B	1.18	1.27	3.86A	37.1	18.8	6.70	6.71	9.70	8.31	2.53	1
2	1.20B	1.27B	1.20	1.27	3.73A	31.7	12.3	4.97	6.78	10.6	6.36	3.72	2
3	1.20B	1.24B	1.18	1.30	3.70E	29.2	7.41	4.25	6.61	11.3	5.93	2.26	3
4	1.20B	1.21B	1.14	1.28	3.90E	23.9	6.00	4.52	4.64	11.5	5.97	1.60B	4
5	1.24B	1.21B	1.18	1.26	3.73A	21.7	6.71	4.31	4.26	11.8	6.05	1.57B	5
6	1.28B	1.24B	1.20	1.27	1.16A	23.7	6.73	4.26	4.24	9.84	5.88	1.40B	6
7	1.31B	1.24B	1.20	1.27	1.44	26.1	6.82	4.29	3.46	11.6	5.43	1.37B	7
8	1.35B	1.32B	1.23	1.29	1.31	25.1	6.75	4.25	1.60	14.9	6.37	1.63B	8
9	1.25B	1.22B	1.25	1.30	1.00	21.7	6.45	4.27	1.60	12.8	6.08	1.60B	9
10	1.23B	1.25B	1.25	1.30	1.03	19.8	6.38	4.33	4.26	11.4	6.64	1.59B	10
11	1.25B	1.25B	1.27	1.31	1.03	16.5	6.71	4.29	4.84	11.0	6.79	1.40B	11
12	1.46B	1.25B	1.26	1.33	2.84	14.9	6.55	4.61	4.23	11.8	6.64	1.40B	12
13	1.23B	1.20B	1.29	1.32	4.14	15.0	6.30	4.61	4.24	10.3	6.73	1.40B	13
14	1.22B	1.20B	1.26	1.69	12.3	15.0	5.08	5.57	4.19	9.51	5.07	1.39B	14
15	1.20B	1.20B	1.20	1.38	17.8	15.0	4.45	5.80	4.15	7.79	4.15	1.59B	15
16	1.17B	1.20B	1.16	1.39	5.30	14.5	4.81	5.10	2.56	6.26	3.76	1.68B	16
17	1.17B	1.20B	1.17	2.70	5.38	14.6	15.5	4.27	4.71	6.83	4.73	1.80B	17
18	1.19B	1.20B	1.18	3.82	7.56	15.0	15.3	4.03	5.95	7.70	3.55	1.67B	18
19	1.18B	1.20B	1.20	3.83	8.07	14.9	14.9	1.91	5.78	7.88	3.89	1.41B	19
20	1.18B	1.20B	1.20	3.85	8.89	14.2	9.24	1.77	5.75	9.24	2.81	1.38B	20
21	1.25B	1.20B	1.20	3.88	18.9	12.4	8.37	1.80	4.74	10.7	1.32	1.39B	21
22	1.25B	1.20B	1.21	3.92	26.3	9.70	6.89	1.79	2.49	10.5	3.70	1.56B	22
23	1.22B	1.20B	1.24	3.90	25.9	3.80	6.42	1.78	1.85	11.7	3.72	1.60B	23
24	1.21B	1.20B	1.22	3.85	18.7	1.51	6.62	1.76	3.84	8.50	3.75	2.01B	24
25	1.23B	1.20B	1.21	3.91	10.0	1.46	6.63	1.78	11.5	6.26	3.77	2.70B	25
26	1.21B	1.20	1.23	3.87	20.3	1.43	6.58	3.57	21.4	6.22	4.60	1.38B	26
27	1.22B	1.18	1.21	3.84	47.4	1.56	6.63	4.10	14.6	6.21	3.50	1.39B	27
28	1.22B	1.21	1.25	3.87	48.8	2.15	6.29	3.87	8.74	6.21	3.53	1.38B	28
29	1.22B		1.25	3.81	50.2	7.72	3.92	2.27	6.38	6.14	1.76 B	1.40B	29
30	1.22B		1.27	3.88	44.1	19.3	3.85	1.74	6.75	6.04	0.88BB	1.39B	30
31	1.26B		1.26		38.5		6.56	2.49		6.25		1.42B	31
TOTAL	38.20	34.16	37.78	74.16	449.61	470.63	241.84	116.30	172.88	288.38	140.508	51.81	TOTAL
MEAN	1.23	1.22	1.22	2.47	14.5	15.7	7.80	3.75	5.76	9.30	4.68	1.67	MEAN
MAX	1.46	1.32	1.29	3.92	50.2	37.1	18.8	6.80	21.4	14.9	6.79	3.72	MAX
MIN	1.17	1.18	1.14	1.26	1.00	1.43	3.85	1.74	1.60	6.04	0.888	1.37	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.80
MAXIMUM DAILY, 50.2 ON MAY 29
MINIMUM DAILY, 0.888B ON NOV 30
MAXIMUM INSTANTANEOUS,
52.7 AT 17:16 MST ON MAY 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 00 55 N
LONG 114 05 33 W
DRAINAGE AREA, 1 230 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1932

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	3 300	JUL	20 80C
FEB	2 950	AUG	10 000
MAR	3 260	SEP	14 900
APR	5 410	OCT	24 900
MAY	38 800	NOV	12 100
JUN	40 700	DEC	4 480

TOTAL DISCHARGE, 183 000 dam³

ELDER CREEK AT HIGHWAY NO. 686 - STATION NO. 07HB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.008B	0.127B	0.117	0.059	0.115	0.092	0.005	0.003	---	---	1
2	---	---	0.008B	0.123B	0.123	0.056	0.114	0.083	0.006	0.003	---	---	2
3	---	---	0.009B	0.125B	0.135	0.051	0.141	0.086	0.005	0.003	---	---	3
4	---	---	0.010B	0.156B	0.141	0.046	0.079	0.054	0.005	0.003	---	---	4
5	---	---	0.011B	0.175B	0.136	0.042	0.088	0.049	0.005	0.003	---	---	5
6	---	---	0.012B	0.200B	0.126	0.041	0.070	0.045	0.005	0.003	---	---	6
7	---	---	0.013B	0.250B	0.123	0.037	0.057	0.041	0.005	0.005	---	---	7
8	---	---	0.015B	0.366A	0.126	0.037	0.065	0.033	0.004	0.007	---	---	8
9	---	---	0.012B	0.586A	0.115	0.034	0.070	0.037	0.003	0.006	---	---	9
10	---	---	0.010B	0.420	0.091	0.031	0.067	0.034	0.003	0.005	---	---	10
11	---	---	0.009B	0.239	0.102	0.034	0.100	0.028	0.003	0.005	---	---	11
12	---	---	0.008B	0.173	0.165	0.033	0.227	0.023	0.003	0.006	---	---	12
13	---	---	0.012B	0.135E	0.207	0.03	0.355	0.022	0.003	0.005	---	---	13
14	---	---	0.020B	0.098A	0.180	0.031	0.406	0.020	0.003	0.007	---	---	14
15	---	---	0.018B	0.090	0.142	0.028	0.500	0.024	0.003	0.007	---	---	15
16	---	---	0.018B	0.090	0.117	0.026	0.515	0.028	0.003	0.008	---	---	16
17	---	---	0.015B	0.088	0.105	0.026	0.635	0.029	0.002	0.006	---	---	17
18	---	---	0.014B	0.133	0.082	0.025	0.512	0.027	0.002	0.005	---	---	18
19	---	---	0.012B	0.189	0.070	0.028	0.377	0.031	0.002	0.005	---	---	19
20	---	---	0.014B	0.221	0.077	0.050	0.295	0.026	0.002	0.004	---	---	20
21	---	---	0.020B	0.238	0.077	0.401	0.236	0.018	0.002	0.004	---	---	21
22	---	---	0.026B	0.214	0.112	0.906	0.179	0.015	0.002	0.006	---	---	22
23	---	---	0.030B	0.179	0.144	0.663	0.172	0.014	0.002	0.006	---	---	23
24	---	---	0.025B	0.156	0.137	0.427	0.146	0.013	0.002	0.005	---	---	24
25	---	0.006B	0.020B	0.172	0.125	0.331	0.127	0.012	0.003A	0.004	---	---	25
26	---	0.006B	0.015B	0.155	0.111	0.278	0.119	0.009	0.003	0.005	---	---	26
27	---	0.007B	0.035B	0.173	0.095	0.224	0.099	0.010	0.004	0.007	---	---	27
28	---	0.007B	0.090B	0.124	0.083	0.205	0.085	0.010	0.003	0.007	---	---	28
29	---		0.150B	0.110	0.077	0.187	0.087	0.010	0.003	0.006	---	---	29
30	---		0.125B	0.109	0.071	0.141	0.080	0.009	0.003	0.006A	---	---	30
31	---		0.103B		0.068		0.087	0.005		0.006E		---	31
TOTAL	---	---	0.885	5.504	3.585	4.489	5.315	0.918	0.099	0.161	---	---	TOTA
MEAN	---	---	0.029	0.187	0.116	0.150	0.204	0.030	0.003	0.005	---	---	MEAN
MAX	---	---	0.150	0.566	0.207	0.906	0.635	0.092	0.006	0.008	---	---	MAX
MIN	---	---	0.008	0.090	0.068	0.025	0.065	0.005	0.002	0.003	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.090
MAXIMUM DAILY 0.906 ON JUN 22
MINIMUM DAILY 0.002 ON SEP 17
MAXIMUM INSTANTANEOUS
1.34 AT 06 00 MST ON JUL 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 27 50 N
LONG 116 49 49 W
DRAINAGE AREA 63.7 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	546
FEB	---	AUG	79.3
MAR	76.5	SEP	8.55
APR	484	OCT	13.9
MAY	310	NOV	---
JUN	388	DEC	---

TOTAL DISCHARGE 1 910 dam³

ELKWATER LAKE AT ELKWATER - STATION NO. 05AH025

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1226.351A	---	1226.389	1226.432	1226.392	1226.349	1226.225	1226.454	1225.988	---	1
2	---	---	---	1226.401A	1226.358	1226.427	1226.388	1226.245	1226.219	1226.456	1225.964	---	2
3	---	---	---	---	1226.357	1226.421	1226.382	1226.240	1226.219	1226.453	1225.947	---	3
4	---	---	---	---	1226.367	1226.410	1226.378	1226.337	1226.217	1226.452	1225.931	---	4
5	---	---	---	---	1226.407	1226.409	1226.376	1226.336	1226.224	1226.452	1225.919	---	5
6	---	---	---	---	1226.414	1226.420	1226.374	1226.339	1226.223	1226.448	1225.908A	---	6
7	---	---	---	---	1226.410	1226.436	1226.371	1226.336	1226.216	1226.442	---	---	7
8	---	---	---	---	1226.407	1226.445	1226.368	1226.332	1226.213	1226.435	---	---	8
9	---	---	---	---	1226.412	1226.450	1226.367	1226.328	1226.221	1226.414	---	---	9
10	---	---	---	---	1226.414	1226.444	1226.367	1226.321	1226.252	1226.400	---	---	10
11	---	---	1226.381A	---	1226.414	1226.437	1226.366	1226.316	1226.232	1226.379	---	---	11
12	---	---	---	---	1226.408	1226.431	1226.369	1226.312	1226.233	1226.357	---	---	12
13	---	---	---	---	1226.411	1226.425	1226.371	1226.310	1226.233	1226.336	---	---	13
14	---	---	---	---	1226.425	1226.418	1226.370	1226.307	1226.234	1226.319	---	---	14
15	---	---	---	---	1226.444	1226.422	1226.368	1226.301	1226.237	1226.298	---	---	15
16	---	---	---	---	1226.449	1226.417	1226.378	1226.295	1226.239	1226.277	---	---	16
17	---	---	---	---	1226.448	1226.415	1226.390	1226.286	1226.250	1226.255	---	---	17
18	---	---	---	---	1226.452	1226.420	1226.382	1226.281	1226.255	1226.236	---	---	18
19	---	---	---	---	1226.462	1226.411	1226.380	1226.273	1226.264	1226.213	---	---	19
20	---	---	---	---	1226.479	1226.406	1226.378	1226.267	1226.274	1226.192	---	---	20
21	---	---	---	1226.376A	1226.488	1226.401	1226.377	1226.259	1226.283	1226.172	---	---	21
22	---	---	---	1226.372	1226.512	1226.396	1226.376	1226.255	1226.285	1226.153	---	---	22
23	---	---	---	1226.375	1226.522	1226.394	1226.380	1226.250	1226.284	1226.130	---	---	23
24	---	---	---	1226.375	1226.515	1226.392	1226.380	1226.246	1226.282	1226.109	---	---	24
25	---	---	---	1226.373	1226.499	1226.391	1226.376	1226.244	1226.277	1226.090	---	---	25
26	---	---	---	1226.371	1226.484	1226.389	1226.373	1226.242	1226.449	1226.068	---	---	26
27	---	---	---	1226.389	1226.470	1226.385	1226.372	1226.238	1226.456	1226.059	---	---	27
28	---	---	---	1226.384	1226.463	1226.380	1226.369	1226.235	1226.454	1226.051	---	---	28
29	1226.241A		---	1226.359	1226.456	1226.390	1226.384	1226.231	1226.453	1226.028	---	---	29
30	---		---	1226.359	1226.451	1226.395	1226.357	1226.232	1226.453	1226.013	---	---	30
31	---		---		1226.442		1226.352	1226.231		1226.003		---	31
MEAN	---	---	---	---	1226.439	1226.414	1226.374	1226.289	1226.281	1226.263	---	---	MEAN
MAX	---	---	---	---	1226.522	1226.450	1226.392	1226.349	1226.456	1226.456	---	---	MAX
MIN	---	---	---	---	1226.357	1226.380	1226.352	1226.231	1226.213	1226.003	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY 1226.522 ON MAY 23

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 39 44 N
LONG 110 17 10 W

A - MANUAL GAUGE

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA
29.0 km²

ELLS RIVER NEAR THE MOUTH - STATION NO 07DA017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.10 B	0.650B	0.320B	0.620B	18.6	44.8	15.5	23.6	7.79	5.07	1.24B	2.10B	1
2	1.05 B	0.650B	0.330B	0.680B	16.2	42.3	15.3	21.8	7.83	5.02	1.06B	2.10B	2
3	1.00 B	0.630B	0.340B	0.760B	18.6	40.2	14.9	20.5	7.75	4.99	1.27B	2.11B	3
4	1.00 B	0.620B	0.350B	0.800B	33.0	37.8	14.8	19.7	7.58	4.90	1.40B	2.11B	4
5	1.00 B	0.610B	0.350B	0.850B	51.1	35.2	14.5	21.2	7.46	4.77	1.51B	2.12B	5
6	1.00 B	0.600B	0.358B	0.920B	54.9	33.8	15.0	23.3	7.32	4.95	1.58B	2.12B	6
7	1.04 B	0.590B	0.360B	0.990B	49.4	31.7	15.0	21.9	7.02	5.03	1.64B	2.13B	7
8	1.07 B	0.580B	0.370B	1.05 B	42.9	30.0	14.5	20.3	6.81	5.03	1.69B	2.13B	8
9	1.07 B	0.580B	0.380B	1.20 B	35.7	28.5	14.0	20.5	6.62	5.05	1.73B	2.14B	9
10	1.07 B	0.570B	0.390B	1.40 B	34.6	27.5	13.7	19.0	6.43	5.13	1.76B	2.15B	10
11	1.07 B	0.550B	0.395B	1.65 B	34.1	25.7	13.8	17.7	6.18	5.20	1.78B	2.16B	11
12	1.10 B	0.500B	0.397B	1.95 B	33.7	23.8	13.7	16.7	6.05	5.15	1.80B	2.17B	12
13	1.15 B	0.450B	0.400B	2.10 B	33.6	22.5	13.7	15.7	6.01	4.89	1.82B	2.18B	13
14	1.18 B	0.430B	0.400B	2.25 B	37.7	21.3	14.1	14.9	5.96	4.87	1.84B	2.18B	14
15	1.18 B	0.400B	0.400B	2.45 B	40.7	20.1	14.9	14.0	5.89	4.77	1.87B	2.18B	15
16	1.18 B	0.380B	0.400B	2.65 B	39.0	19.0	14.6	13.1	5.78	4.68	1.89B	2.19B	16
17	1.15 B	0.360B	0.400B	2.90 B	36.7	18.2	14.4	12.7	5.70	4.57	1.91B	2.19B	17
18	1.10 B	0.340B	0.400B	3.20 B	35.5	17.8	14.8	12.2	5.62	4.51	1.94B	2.19B	18
19	1.05 B	0.320B	0.400B	3.55 B	34.7	17.0	14.9	12.1	5.54	4.41	1.96B	2.19B	19
20	0.990B	0.300B	0.400B	4.00 B	34.0	17.2	14.8	11.6	5.42	4.30	1.98B	2.19B	20
21	0.950B	0.300B	0.400B	4.55 B	33.4	17.7A	14.7	11.3	5.33	4.25	1.99B	2.19B	21
22	0.900B	0.300B	0.410B	5.25 B	35.0	18.7E	14.9	10.8	5.22	4.16	2.00B	2.19B	22
23	0.850B	0.300B	0.420B	6.30 B	46.3	19.6E	16.0	10.5	5.14	4.12	2.01B	2.19B	23
24	0.800B	0.300B	0.440B	8.17 B	71.9	20.6A	16.2	10.2	5.05	4.06	2.02B	2.19B	24
25	0.780B	0.300B	0.450B	12.1 A	73.9	19.5	15.7	9.69	5.06	3.99	2.03B	2.19B	25
26	0.750B	0.300B	0.460B	17.8	67.1	18.5	15.4	9.37	5.00	4.01	2.04B	2.19B	26
27	0.730B	0.300B	0.480B	17.8	60.1	17.8	15.0	8.98	5.21	4.12	2.05B	2.19B	27
28	0.700B	0.300B	0.500B	18.2	55.4	17.2	14.6	8.77	5.29	4.16	2.07B	2.19B	28
29	0.680B		0.530B	17.9	51.2	16.5	15.5	8.48	5.11	2.48B	2.08B	2.19B	29
30	0.650B		0.580B	18.2	49.2	15.9	19.0	8.17	5.04	2.00B	2.08B	2.19B	30
31	0.650B		0.600B		47.1		22.7	7.91		1.45B		2.19B	31
TOTAL	29.990	12.510	12.810	162.240	1 307.3	735.7	470.6	456.65	182.21	136.09	54.05	67.12	TOTAL
MEAN	0.967	0.447	0.413	5.41	42.2	24.5	15.2	14.7	6.07	4.39	1.80	2.17	MEAN
MAX	1.18	0.650	0.600	18.2	73.9	44.8	22.7	23.6	7.83	5.20	2.09	2.19	MAX
MIN	0.650	0.300	0.320	0.620	18.2	15.9	13.7	7.91	5.00	1.45	1.06	2.10	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.94
MAXIMUM DAILY, 73.9 ON MAY 25
MINIMUM DAILY, 0.300B ON FEB 20
MAXIMUM INSTANTANEOUS
77.2 AT 21 28 MST ON MAY 24

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 16 04 N
LONG 111 42 51 W
DRAINAGE AREA, 2 450 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 590	JUL	40 700
FEB	1 080	AUG	39 500
MAR	1 110	SEP	15 700
APR	14 000	OCT	11 800
MAY	113 000	NOV	4 670
JUN	63 600	DEC	5 800

TOTAL DISCHARGE, 314 000 dam³

EMBARRAS RIVER AT ROBB - STATION NO 07AF909

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.680E	1.78	1.42	2.81	0.602	3.90	---	---	1
2	---	---	---	---	0.680E	1.64	1.19	2.41	0.664	3.24	---	---	2
3	---	---	---	---	1.10 A	1.55	1.18	2.17	0.888	2.87	---	---	3
4	---	---	---	---	1.27	1.46	1.22	2.13	1.92	3.33	---	---	4
5	---	---	---	---	1.98	1.42	2.22	2.07	2.14	3.46	---	---	5
6	---	---	---	---	2.48	1.41	2.31	1.93	1.39	3.18	---	---	6
7	---	---	---	---	3.08	1.42	2.58	1.68	1.09	2.81	---	---	7
8	---	---	---	---	2.34	1.36	2.35	1.55	0.967	2.74	---	---	8
9	---	---	---	---	2.14	1.26	2.32	1.43	0.886	2.45	---	---	9
10	---	---	---	---	1.98	1.20	2.61	1.31	0.943	2.25	---	---	10
11	---	---	---	---	1.85	1.51	2.01	1.52	1.35	2.13	---	---	11
12	---	---	---	---	1.59	1.38	1.86	2.04	1.45	1.92	---	---	12
13	---	---	---	---	1.53	1.21	1.78	1.61	1.38	1.83	---	---	13
14	---	---	---	---	1.43	1.12	1.68	1.28	1.21	1.78	---	---	14
15	---	---	---	---	1.42	1.62	1.53	1.17	1.08	1.69	---	---	15
16	---	---	---	---	1.79	1.66	8.98	1.10	1.08	1.62	---	---	16
17	---	---	---	---	2.55	1.35	24.7	1.02	1.06	1.55	---	---	17
18	---	---	---	---	2.70	1.33	30.9	0.973	1.01	1.49	---	---	18
19	---	---	---	---	2.30	1.51	16.8	1.04	0.958	1.43	---	---	19
20	---	---	---	---	2.09	1.37	11.3	0.962	0.917	1.38	---	---	20
21	---	---	---	---	2.22	1.18	8.00	0.864	0.884	1.34	---	---	21
22	---	---	---	---	3.14	1.11	6.26	0.810	0.864	1.30	---	---	22
23	---	---	---	1.34A	3.81	1.08	7.66	0.772	0.849	1.10 B	---	---	23
24	---	---	---	---	3.45	1.01	5.37	0.769	0.841	1.08 B	---	---	24
25	---	---	---	---	2.90	0.988	4.71	0.790	1.44	1.04 B	---	---	25
26	---	---	---	---	2.61	0.899	4.78	0.759	3.78	1.01 B	---	---	26
27	---	---	---	---	2.47	0.870	3.94	0.691	2.98	1.00 B	---	---	27
28	---	---	---	---	2.36	0.875	3.53	0.660	2.70	0.9348	---	---	28
29	---		---	---	2.18	1.11	5.48	0.645	2.75	0.8708	---	---	29
30	---		---	---	2.01	1.81	6.34	0.622	3.62	0.8308	---	---	30
31	---		---		1.90		3.31	0.599		0.7908		---	31
TOTAL	---	---	---	---	86.050	39.504	178.32	40.196	43.703	58.344	---	---	TOTAL
MEAN	---	---	---	---	2.13	1.32	5.78	1.30	1.46	1.88	---	---	MEAN
MAX	---	---	---	---	3.81	1.81	30.9	2.81	3.78	3.90	---	---	MAX
MIN	---	---	---	---	0.680	0.870	1.18	0.599	0.602	0.790	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.32
MAXIMUM DAILY, 30.9 ON JUL 18
MINIMUM DAILY, 0.599 ON AUG 31
MAXIMUM INSTANTANEOUS,
46.4 AT 23 35 MST ON JUL 17

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 13 19 N
LONG 116 58 04 W
DRAINAGE AREA, 124 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	15 500
FEB	---	AUG	3 470
MAR	---	SEP	3 780
APR	---	OCT	5 040
MAY	5 710	NOV	---
JUN	3 410	DEC	---

TOTAL DISCHARGE, 36 900 dam³

EMBARRAS RIVER NEAR WEALD - STATION NO. 07AF014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.02 B	2.29B	3.15B	5.41	4.52	10.6	2.15	27.6	3.29	---	1
2	---	---	0.950B	1.73B	3.11B	4.91	3.96	9.26	2.20	20.0	4.14	---	2
3	---	---	0.890B	1.64B	3.23B	4.46	3.61	8.20	2.36	16.3	3.67	---	3
4	---	---	0.830B	1.90B	4.40	4.15	3.96	8.13	3.23	14.1	3.42A	---	4
5	---	---	0.774B	2.41B	7.86	3.95	5.08	8.40	6.46	12.7	---	---	5
6	---	---	0.984B	2.78B	8.71	3.86	7.39	8.07	5.34	11.3	---	---	6
7	---	---	1.20 B	2.80B	10.2	3.85	7.82	7.07	4.11	9.96	---	---	7
8	---	---	1.40 B	2.88B	8.99	3.87	7.62	6.25	3.51	9.32	---	---	8
9	---	---	1.54 B	3.13B	8.74	3.74	6.98	5.69	3.14	8.86	---	---	9
10	---	---	1.66 B	2.99B	8.00	3.42	7.79	5.16	2.98	7.95	---	---	10
11	---	---	1.77 B	2.82B	7.46	3.68	6.92	4.77	3.89	7.34	---	---	11
12	---	---	1.81 B	2.64B	6.80	4.51	6.00	5.37	5.08	6.87	---	---	12
13	---	---	1.75 B	2.59B	5.84	3.97	6.15	5.19	5.23	6.46	---	---	13
14	---	---	1.29 B	2.42B	5.81	3.56	5.86	4.50	4.86	6.11	---	---	14
15	---	---	1.03 B	2.50B	5.76	3.96	6.02	4.08	4.47	5.81	---	---	15
16	---	---	0.958B	2.83B	6.05	5.41	18.6	3.80	4.33	5.56	---	---	16
17	---	---	0.928B	3.55B	6.67	4.87	45.3	3.54	4.53	5.30	---	---	17
18	---	---	0.908B	4.51B	6.92	4.34	105	3.32	4.34	5.06	---	---	18
19	---	---	0.885B	5.53B	6.45	4.58	85.6	3.25	4.02	4.82	---	---	19
20	---	---	0.892B	5.96B	5.88	5.24	41.0	3.37	3.58	4.68	---	---	20
21	---	---	0.998B	6.80B	5.83	4.50	35.5 E	3.12	3.40	4.55	---	---	21
22	---	---	1.38 B	6.89B	8.70	3.86	30.0 E	2.94	3.20	4.37	---	---	22
23	---	---	1.52 B	7.17B	13.7	3.43	26.8 A	2.78	3.07	4.18	---	---	23
24	---	---	1.59 B	5.24B	12.8	3.19	25.9	2.68	2.98	4.03	---	---	24
25	---	---	1.67 B	4.00B	11.1	2.98	20.5	2.66	3.19	3.94	---	---	25
26	---	---	1.63 B	3.10B	9.88	2.75	19.0	2.66	11.9	3.87	---	---	26
27	---	---	1.46 B	3.47B	8.89	2.53	17.4	2.52	19.7	3.88	---	---	27
28	---	---	1.71 B	2.68B	8.10	2.38	14.5	2.46	19.1	4.04	---	---	28
29	---		2.05 B	2.86B	7.33	2.48	14.9	2.34	17.3	3.89	---	---	29
30	---		3.05 B	3.12B	6.81	4.04	14.8	2.29	19.8	3.75	---	---	30
31	---		2.89 B		5.96		12.4	2.22		3.09	---	---	31
TOTAL	---	---	43.437	105.22	229.73	117.89	599.16	146.69	183.60	235.48	---	---	TOTAL
MEAN	---	---	1.40	3.51	7.41	3.93	19.3	4.73	6.12	7.60	---	---	MEAN
MAX	---	---	3.05	7.17	13.7	5.41	105	10.6	19.8	23.6	---	---	MAX
MIN	---	---	0.774	1.58	3.11	2.38	3.81	2.22	2.15	3.09	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.78
MAXIMUM DAILY, 105 ON JUL 18
MINIMUM DAILY, 0.774B ON MAR 5
MAXIMUM INSTANTANEOUS,
118 AT 10 39 MST ON JUL 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 22 31 N
LONG 115 48 20 W
DRAINAGE AREA, 647 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	51 800
FEB	---	AUG	12 700
MAR	3 750	SEP	15 900
APR	9 180	OCT	20 300
MAY	19 800	NOV	---
JUN	10 200	DEC	---

TOTAL DISCHARGE, 144 000 dam³

ERITH RIVER BELOW HANLAN CREEK - STATION NO. 07AF907

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	3.60B	5.43	6.57	11.4	1.87	20.5	---	---	1
2	---	---	---	---	3.70B	5.74	5.10	9.35	2.02	23.9	---	---	2
3	---	---	---	---	3.80B	5.04	6.87	8.16	2.43	18.8	---	---	3
4	---	---	---	---	5.14	4.55	6.00	7.87	3.34	16.3	---	---	4
5	---	---	---	---	13.1	4.27	9.80	7.54	6.00	14.9	---	---	5
6	---	---	---	---	15.2	4.23	14.9	6.85	4.58	13.0	---	---	6
7	---	---	---	---	14.7	4.50	13.8	5.92	3.62	10.8	---	---	7
8	---	---	---	---	13.4	4.46	14.3	5.31	3.14	9.68	---	---	8
9	---	---	---	---	11.8	4.20	14.8	4.88	2.91	8.73	---	---	9
10	---	---	---	---	11.0	4.22	18.7	4.64	2.85	7.88	---	---	10
11	---	---	---	---	11.1	4.22	15.2	4.10	3.47	5.85	---	---	11
12	---	---	---	---	10.3	4.47	12.8	3.84	4.60	5.21	---	---	12
13	---	---	---	---	9.25	4.29	12.1	3.82	4.72	5.73	---	---	13
14	---	---	---	---	8.63	4.10	12.1	3.68	4.39	5.39	---	---	14
15	---	---	---	---	8.51	4.31	10.5	3.34	4.05	5.14	---	---	15
16	---	---	---	---	11.9	6.09	31.6 A	3.15	3.98	4.85	---	---	16
17	---	---	---	---	16.1	5.47	218 E	2.88	4.22	4.66	---	---	17
18	---	---	---	---	15.7	4.67	313 E	2.72	4.08	4.46	---	---	18
19	---	---	---	---	13.3	5.26	182 E	2.61	3.68	4.33	---	---	19
20	---	---	---	---	11.6	5.75	61.3 A	2.63	3.35	4.19	---	---	20
21	---	---	---	---	11.0	4.76	37.7	2.52	3.10	4.02	---	---	21
22	---	---	---	---	16.6	4.44	28.4	2.44	2.84	3.85	---	---	22
23	---	---	---	---	24.2	4.10	26.5	2.38	2.75	3.72	---	---	23
24	---	---	---	---	21.1	3.80	26.6	2.31	2.57	3.56A	---	---	24
25	---	---	---	---	17.3	3.55	20.2	2.32	2.97	3.50E	---	---	25
26	---	---	---	---	14.7	3.35	16.5	2.35	16.0	3.48E	---	---	26
27	---	---	---	---	12.6	3.15	17.0	2.27	22.6	3.47E	---	---	27
28	---	---	---	---	11.1	3.03	13.9	2.16	23.5	3.48E	---	---	28
29	---		---	---	9.75	3.34	17.3	2.12	21.6	3.52E	---	---	29
30	---		---	---	8.48	5.01	18.7	2.07	24.6	3.36E	---	---	30
31	---		---		7.36		14.6	2.03		3.27E		---	31
TOTAL	---	---	---	---	389.33	135.76	1 218.84	129.66	195.93	244.37	---	---	TOTAL
MEAN	---	---	---	---	11.9	4.53	39.3	4.18	6.53	7.88	---	---	MEAN
MAX	---	---	---	---	24.2	6.42	313	11.4	24.6	29.5	---	---	MAX
MIN	---	---	---	---	3.60	3.03	5.10	2.03	1.87	3.27	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.5
MAXIMUM DAILY, 313E ON JUL 18
MINIMUM DAILY, 1.87 ON SEP 1
MAXIMUM INSTANTANEOUS,
337E AT 07 00 MST ON JUL 18

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS DERIVED FROM HIGH WATER MARK

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 14 08 N
LONG 116 33 55 W
DRAINAGE AREA, 990 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	105 000
FEB	---	AUG	11 200
MAR	---	SEP	16 500
APR	---	OCT	21 100
MAY	31 900	NOV	---
JUN	11 700	DEC	---

TOTAL DISCHARGE, 198 000 dam³

ETHEL LAKE NEAR COLD LAKE - STATION NO. 06AC004

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	540.837	540.843	540.861	540.880	540.918	540.957	541.219	541.328A	---	---	1
2	---	---	540.836	540.845	540.862	540.959	540.917	540.952	541.235	541.322A	---	---	2
3	---	---	540.835	540.843	540.862	540.951	540.919	540.963	541.248	541.322A	---	---	3
4	---	---	540.834	540.845	540.851	540.947	540.914	540.960	541.268A	541.318A	541.268A	---	4
5	---	---	540.832	540.847	540.861	540.947	540.916	540.959	541.271A	541.318A	---	---	5
6	---	---	540.829A	540.848	540.861	540.943	540.916	540.953	541.287A	541.316	---	---	6
7	---	---	540.831	540.848	540.860	540.940	540.920	540.947	541.302A	541.312A	---	---	7
8	---	---	540.840	540.849	540.859	540.937	540.922	540.944	541.313A	541.309E	---	---	8
9	---	---	540.841	540.851	540.857	540.935	540.922	540.942	541.328A	541.305A	---	---	9
10	---	---	540.840	540.854	540.862	540.932	540.922	540.938	541.336	541.298E	---	---	10
11	---	---	540.841	540.858	540.863	540.925	540.923	540.938	541.345A	541.294A	---	---	11
12	---	---	540.840	540.858	540.864	540.927	540.925	540.935	541.352E	541.298A	---	---	12
13	---	---	540.841	540.858	540.862	540.928	540.926	540.933	541.358A	541.295A	---	---	13
14	---	---	540.840	540.858	540.862	540.923	540.930	540.925	541.368A	541.292A	---	---	14
15	---	---	540.841	540.859	540.875	540.918	540.931	540.917	541.365	541.290	---	---	15
16	---	---	540.841	540.859	540.879	540.916	540.933	540.920	541.369	541.289A	---	---	16
17	---	---	540.840	540.858	540.878	540.916	540.947	540.940	541.377	541.289A	---	---	17
18	---	---	540.840	540.858	540.878	540.914	540.961	540.965	541.383A	541.287A	---	---	18
19	---	---	540.842	540.859	540.883	540.928	540.960	540.982	541.385A	541.288A	---	---	19
20	---	---	540.842	540.862	540.887	540.925	540.959	541.005	541.378A	541.284A	---	---	20
21	---	---	540.844	540.863	540.892	540.920	540.963	541.026	541.368A	541.285A	---	---	21
22	---	---	540.843	540.861	540.904	540.921	540.965	541.041	541.359A	541.283A	---	---	22
23	---	---	540.840	540.862	540.922	540.924	540.959	541.065	541.349	541.283A	---	---	23
24	---	---	540.838	540.858	540.936	540.932	540.956	541.084	541.343	541.282A	---	---	24
25	---	---	540.841	540.857	540.948	540.938	540.952	541.098	541.332	541.283A	---	---	25
26	---	---	540.841	540.858	540.956	540.926	540.950	541.126	541.331	541.285A	---	---	26
27	---	540.835A	540.843	540.858	540.952	540.924	540.950	541.137	541.335	541.282A	---	---	27
28	---	540.835	540.843	540.861	540.964	540.923	540.951	541.156	541.326A	541.278E	---	---	28
29	---		540.843	540	540.968	540.922	540.948	541.173	541.333A	541.277E	---	---	29
30	---		540.844	540.861	540.984	540.920	540.959	541.192	541.332	541.276E	---	---	30
31	---		540.844		540.983		540.957	541.204		541.275E	---	---	31
MEAN	---	---	540.840	540.855	540.894	540.930	540.938	541.005	541.329	541.295	---	---	MEAN
MAX	---	---	540.844	540.863	540.968	540.960	540.965	541.204	541.385	541.328	---	---	MAX
MIN	---	---	540.829	540.843	540.857	540.914	540.914	540.917	541.219	541.275	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MAXIMUM DAILY, 541.385A ON SEP 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 32 40 N
LONG 110 20 06 W

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA
594 km²

ETZIKOM COULEE NEAR NEMISKAM - STATION NO. 05AF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.647	0.085	0.113	0	0	0.189	1.70	---	---	1
2	---	---	---	0.407	0.049	0.098	0	0	0.199	1.66	---	---	2
3	---	---	---	0.534	0.106	0.121	0	0	0.161	1.72	---	---	3
4	---	---	3.36 A	0.563	0.141	0.113	0	0	0.112	1.64	---	---	4
5	---	---	---	0.535	0.273	0.088	0	0	0.100	1.61	---	---	5
6	---	---	---	0.475	0.262	0.076	0	0.157	0.078	1.55	---	---	6
7	---	---	---	0.350	0.269	0.066	0	0.232	0.106	1.43	---	---	7
8	---	---	---	0.276	0.238	0.085	0	0.260	0.117	1.32	---	---	8
9	---	---	---	0.305	0.229	0.101	0	0.150	0.103	1.37	---	---	9
10	---	---	---	0.236	0.237	0.149	0	0.239	0.173	1.25	---	---	10
11	---	---	5.62	0.138	0.244	0.183	0	0.285	0.256	1.26	---	---	11
12	---	---	5.76	0.101	0.418	0.207	0	0.322	0.187	1.13	---	---	12
13	---	---	5.18	0.111	0.683	0.198	0	0.274	0.096	1.00	---	---	13
14	---	---	4.84	0.218	0.428	0.157	0	0.291	0.067	0.898	---	---	14
15	---	---	4.09	0.194	0.106	0.138	0	0.300	0.081	0.845	---	---	15
16	---	---	3.50	0.181	0.068	0.106	0	0.182	0.112	0.783	---	---	16
17	---	---	3.36	0.321	0.060	0.115	0	0.222	0.135	0.725	---	---	17
18	---	---	2.93	0.305	0.152	0.122	0	0.311	0.112	0.700	---	---	18
19	---	---	2.56	0.277	0.198	0.124	0	0.310	0.162	0.665	---	---	19
20	---	---	2.28	0.268	0.187	0.100	0	0.797	0.306	0.627	---	---	20
21	---	---	2.25	0.196	0.212	0.123	0	0.250	0.440	0.587	---	---	21
22	---	---	1.87	0.223	0.402	0.122	0	0.289	0.590	0.581	---	---	22
23	---	---	1.49	0.234	0.381	0.093	0	0.332	0.660	0.648	---	---	23
24	---	---	1.50	0.200	0.345	0.038	0	0.384	0.655	0.581	---	---	24
25	---	---	1.34	0.189	0.306	0	0	0.284	1.42	0.613	---	---	25
26	---	---	1.40	0.143	0.280	0	0	0.221	1.77	0.658	---	---	26
27	---	---	1.17	0.250	0.230	0	0	0.248	1.86	0.638	---	---	27
28	---	---	1.07	0.414	0.200	0	0	0.245	1.76	0.610	---	---	28
29	---		0.785	0.355	0.201	0	0	0.244	1.85	0.608A	---	---	29
30	---		0.810	0.234	0.174	0	0	0.272	1.82	0.600E	---	---	30
31	---		0.748		0.137		0	0.184		0.600E	---	---	31
TOTAL	---	---	---	8.869	7.259	2.828	0	8.893	15.436	30.497	---	---	TOTAL
MEAN	---	---	---	0.295	0.234	0.094	0	0.213	0.515	0.983	---	---	MEAN
MAX	---	---	---	0.647	0.683	0.207	0	0.384	1.86	1.72	---	---	MAX
MIN	---	---	---	0.101	0.048	0	0	0	0.081	0.848	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS APR TO OCT

MEAN, 0.334
MAXIMUM DAILY, 1.85 ON SEP 28
MINIMUM DAILY, 0 ON JUN 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 26 40 N
LONG 111 16 00 W
DRAINAGE AREA, 3 040 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	870
MAR	---	SEP	1 330
APR	784	OCT	2 630
MAY	627	NOV	---
JUN	244	DEC	---

TOTAL DISCHARGE, 6 190 dam³

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

EUNICE CREEK NEAR HINTON - STATION NO. 07AF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.0388	0.0568	0.227	0.170	0.428	0.141	0.234	0.1498	---	1
2	---	---	---	0.0328	0.0498	0.211	0.162	0.384	0.141	0.311	0.1458	---	2
3	---	---	---	0.0318	0.053	0.200	0.155	0.354	0.185	0.312	0.140E	---	3
4	---	---	---	0.0308	0.093	0.192	0.151	0.328	0.285	0.386	0.135E	---	4
5	---	---	---	0.0308	0.197	0.186	0.212	0.322	0.285	0.671	0.1308	---	5
6	---	---	---	0.0338	0.301	0.185	0.233	0.294	0.307	0.881	---	---	6
7	---	---	---	0.2498	0.426	0.182	0.281	0.266	0.184	0.916	---	---	7
8	---	---	---	0.0758	0.343A	0.181	0.318	0.252	0.174	0.875	---	---	8
9	---	---	---	0.0698	0.278A	0.162	0.379	0.238	0.165	0.685	---	---	9
10	---	---	---	0.0678	0.278A	0.155	0.340	0.226	0.182	0.575	---	---	10
11	---	---	---	0.0638	0.271A	0.175	0.315	0.389	0.255	0.492	---	---	11
12	---	---	---	0.0548	0.212A	0.167	0.295	0.433	0.223	0.432	---	---	12
13	---	---	---	0.0488	0.221A	0.162	0.283	0.310	0.216	0.374	---	---	13
14	---	---	---	0.0428	0.206A	0.153	0.271	0.271	0.206	0.342	---	---	14
15	---	---	---	0.0398	0.181A	0.189	0.302	0.250	0.199	0.316	---	---	15
16	---	---	---	0.0368	0.147A	0.161	1.41	0.238	0.191	0.285	---	---	16
17	---	---	---	0.0408	0.178A	0.153	3.82	0.273	0.185	0.275	---	---	17
18	---	---	---	0.0518	0.332A	0.161	4.01	0.212	0.179	0.256	---	---	18
19	---	---	---	0.1128	0.251A	0.187	2.40	0.253	0.174	0.245	---	---	19
20	---	---	---	0.1638	0.241A	0.158	1.87	0.211	0.169	0.232	---	---	20
21	---	---	---	0.2118	0.238A	0.154	1.27	0.185	0.166	0.221	---	---	21
22	---	---	---	0.1458	0.239E	0.144	1.08	0.186	0.162	0.208	---	---	22
23	---	---	---	0.0798	0.243E	0.140	1.23	0.178	0.159	0.199	---	---	23
24	---	---	---	0.0588	0.256E	0.139	0.963	0.173	0.154	0.192	---	---	24
25	---	---	---	0.0548	0.293E	0.139	0.770	0.175	0.230	0.183	---	---	25
26	---	---	0.0358	0.0568	0.2458	0.140	0.781	0.188	0.300	0.178	---	---	26
27	---	---	0.0368	0.0588	0.243E	0.139	0.623	0.180	0.252	0.183	---	---	27
28	---	---	0.0358	0.0598	0.242A	0.139	0.570	0.186	0.247	0.171	---	---	28
29	---		0.0278	0.054	0.2808	0.154	0.777	0.153	0.261	0.163	---	---	29
30	---		0.0388	0.0518	0.267	0.177	0.582	0.149	0.308	0.159	---	---	30
31	---		0.0398		0.235		0.481	0.144		0.1548		---	31
TOTAL	---	---	---	1.938	7.400	4.963	26.084	7.693	6.157	11.317	---	---	TOTAL
MEAN	---	---	---	0.064	0.239	0.165	0.841	0.248	0.205	0.365	---	---	MEAN
MAX	---	---	---	0.211	0.426	0.227	4.01	0.433	0.308	0.881	---	---	MAX
MIN	---	---	---	0.030	0.049	0.139	0.151	0.144	0.141	0.154	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.306
MAXIMUM DAILY, 4.01 ON JUL 18
MINIMUM DAILY, 0.0308 ON APR 4
MAXIMUM INSTANTANEOUS,
6.34 AT 19 51 MST ON JUL 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 09 10 N
LONG 117 13 55 W
DRAINAGE AREA, 17.1 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	2 250
FEB	---	AUG	665
MAR	---	SEP	532
APR	187	OCT	978
MAY	639	NOV	---
JUN	429	DEC	---

TOTAL DISCHARGE, 5 680 dam³

EUREKA RIVER NEAR WORSLEY - STATION NO. 07FD013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.568	1.93	0.480	0	0.074	0	0	---	---	1
2	---	---	0 B	1.308	2.00	0.329	0	0.051	0	0	---	---	2
3	---	---	0 B	1.168	1.91	0.239	0	0.029	0	0	---	---	3
4	---	---	0 B	3.078	2.04	0.131	0	0.017	0	0	---	---	4
5	---	---	0 B	6.388	2.30	0.153	0	0.010	0	0	---	---	5
6	---	---	0 B	7.568	2.51	0.126	0	0.007	0	0	---	---	6
7	---	---	0 B	8.938	3.08	0.101	0	0.003	0	0 001	---	---	7
8	---	---	0 B	11.8	3.22	0.082	0	0	0		---	---	8
9	---	---	0 B	12.1	3.33	0.031	0	0	0	0	---	---	9
10	---	---	0 B	8.82	3.18	0.018	0	0	0	0	---	---	10
11	---	---	0 B	5.00E	3.06	0.203	0	0	0	0	---	---	11
12	---	---	0 B	3.00E	3.01	0.120	0	0	0	0	---	---	12
13	---	---	0 B	2.65E	3.28	0.009	0	0	0	0	---	---	13
14	---	---	0 B	2.45E	3.90	0.001	0	0	0	0	---	---	14
15	---	---	0 B	2.29A	4.40	0.002	0	0	0	0	---	---	15
16	---	---	0 B	2.13	4.42	0.006	0	0	0	0	---	---	16
17	---	---	0 B	2.86	4.05	0.003	0	0	0	0	---	---	17
18	---	---	0 B	3.40E	3.46	0.002	0.297	0	0	0	---	---	18
19	---	---	0 B	3.70E	2.91	0.002	0.415	0	0	0	---	---	19
20	---	---	0 B	4.00E	2.34	0	0.416	0	0	0	---	---	20
21	---	---	0 B	4.50	2.03	0	0.338	0	0	0	---	---	21
22	---	---	0 B	4.72	1.72	0	0.234	0	0	0	---	---	22
23	---	---	0 B	3.88	1.46	0	0.172	0	0	0	---	---	23
24	---	---	0 B	3.14	1.26	0	0.138	0	0	0	---	---	24
25	---	---	0 B	2.71	1.18	0	0.046	0	0	0	---	---	25
26	---	---	0.0048	2.36	1.01	0	0.037	0	0	0 001	---	---	26
27	---	0B	0.0048	2.13	0.871	0	0.046	0	0	0 0016	---	---	27
28	---	0B	0.3308	1.97	0.865	0	0.032	0	0	0 0018	---	---	28
29	---		0.8588	1.94	0.755	0	0.021	0	0		---	---	29
30	---		0.8958	1.94	0.670	0	0.046	0	0	0	---	---	30
31	---		1.22 B		0.585		0.046	0		0		---	31
TOTAL	---	---	3.312	123.15	72.655	2.038	2.322	0.191	0	0 004	---	---	TOTAL
MEAN	---	---	0.107	4.11	2.35	0.068	0.075	0.006	0	0	---	---	MEAN
MAX	---	---	1.22	12.1	4.42	0.480	0.416	0.074	0	0 001	---	---	MAX
MIN	---	---	0	1.18	0.585	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.832
MAXIMUM DAILY, 12.1 ON APR 9
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
13.9 AT 19 30 MST ON APR 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 27 00 N
LONG 119 07 10 W
DRAINAGE AREA, 784 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	291
FEB	---	AUG	18.5
MAR	286	SEP	0
APR	10 800	OCT	0.35
MAY	6 290	NOV	---
JUN	176	DEC	---

TOTAL DISCHARGE, 17 800 dam³

EXPANSE COULEE NEAR THE MOUTH - STATION NO. 05AG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.057	1.15	2.28	1.82	2.07	1.93	0.211B	---	1
2	---	---	---	---	0.191	1.17	2.16	1.88	2.02	1.97	0.231B	---	2
3	---	---	---	---	0.255	1.31	2.01	1.71	1.76	1.83	0.227	---	3
4	---	---	---	---	0.373	1.34	1.89	1.79	1.71	1.89	0.246A	---	4
5	---	---	---	---	0.448	1.49	1.82	1.91	1.72	1.81	---	---	5
6	---	---	---	---	0.449	1.50	1.88	1.91	1.69	1.75	---	---	6
7	---	---	---	---	0.385	1.74	1.63	1.93	1.65	1.74	---	---	7
8	---	---	---	---	0.366	1.78	1.58	1.95	1.63	1.61	---	---	8
9	---	---	---	---	0.448	2.02	1.68	2.03	1.68	1.60	---	---	9
10	---	---	---	---	0.402	1.78	1.81	2.06	1.59	1.38	---	---	10
11	---	---	---	---	0.387	1.74	1.84	2.13	1.44	1.30	---	---	11
12	---	---	---	---	0.382	1.72	1.89	1.89	1.36	1.19	---	---	12
13	---	---	---	---	0.376	1.71	1.95	1.89	1.29	1.11	---	---	13
14	---	---	---	---	0.383	1.68	2.12	1.92	1.30	1.02	---	---	14
15	---	---	---	---	0.324	1.69	2.11	1.78	1.29	0.942	---	---	15
16	---	---	---	---	0.315	1.73	1.93	1.77	1.28	0.885	---	---	16
17	---	---	---	---	0.318	1.73	1.91	1.88	1.29	0.830	---	---	17
18	---	---	---	---	0.316	1.76	2.04	1.90	1.27	0.775	---	---	18
19	---	---	---	---	0.302	1.72	1.72	1.88	1.29	0.715	---	---	19
20	---	---	---	---	0.309	1.66	1.69	1.74	1.22	0.656	---	---	20
21	---	---	---	0.035A	0.310	1.78	1.74	1.87	1.18	0.600	---	---	21
22	---	---	---	0.032	0.304	1.82	1.77	1.84	1.01	0.551	---	---	22
23	---	---	---	0.032	0.854	1.81	1.90	1.73	0.948	0.488	---	---	23
24	---	---	---	0.057	0.869	1.88	2.24	1.78	0.941	0.403	---	---	24
25	---	---	---	0.065	0.892	1.85	2.28	1.77	2.21	0.330	---	---	25
26	---	---	---	0.073	0.885	1.91	2.18	1.85	2.89	0.302	---	---	26
27	---	---	---	0.072	1.12	1.98	2.19	1.92	2.62	0.297	---	---	27
28	---	---	---	0.048	1.32	2.01	2.24	1.84	2.14	0.324	---	---	28
29	---		---	0.036	1.15	2.05	2.04	1.78	2.04	0.276	---	---	29
30	---		---	0.033	1.06	2.26	1.88	1.87	1.85	0.248	---	---	30
31	---		---		1.15		1.76	2.16		0.227	---	---	31
TOTAL	---	---	---	---	16.739	51.97	60.52	57.29	48.480	30.980	---	---	TOTAL
MEAN	---	---	---	---	0.542	1.73	1.95	1.85	1.62	0.999	---	---	MEAN
MAX	---	---	---	---	1.32	2.26	2.26	2.16	2.89	1.97	---	---	MAX
MIN	---	---	---	---	0.057	1.15	1.69	1.64	0.941	0.227	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 1.48
MAXIMUM DAILY 2.89 ON SEP 26
MINIMUM DAILY 0.057 ON MAY 1

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 59 18 N
LONG 112 09 00 W
DRAINAGE AREA 1 920 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5 230
FEB	---	AUG	4 950
MAR	---	SEP	4 190
APR	---	OCT	3 680
MAY	1 450	NOV	---
JUN	4 490	DEC	---

TOTAL DISCHARGE 23 000 dam³

FALLENTIMBER CREEK NEAR SUNDRE - STATION NO. 05CA017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.32	4.55	11.2	7.61	2.94	12.1	---	---	1
2	---	---	---	---	1.10	4.18	8.52	5.86	2.56	12.5	---	---	2
3	---	---	---	0.982B	1.05	3.87	7.16	6.22	2.90	10.7	---	---	3
4	---	---	0.300B	---	1.77	3.58	6.10	5.01	2.86	9.85	---	---	4
5	---	---	---	---	5.98	3.40	5.69	5.77	3.55	9.54	---	---	5
6	---	---	---	---	6.97	3.43	5.31	6.27	3.74	10.5	---	---	6
7	---	---	---	---	6.48	3.88	4.54	5.58	3.03	10.5	---	---	7
8	---	---	---	---	5.41	6.46	4.08	4.88	2.63	10.4	---	---	8
9	---	---	---	2.13 A	5.28	7.13	5.20	4.49	2.44	9.76	---	---	9
10	---	---	---	---	5.46	6.91	6.91	4.21	2.41	9.30	---	---	10
11	---	---	---	---	6.05	4.76	5.85	3.90	2.60	8.48	---	---	11
12	---	---	---	---	5.85	4.19	4.09	3.71	2.70	7.77	---	---	12
13	---	---	---	---	5.86	3.76	6.51	3.69	2.74	7.29	---	---	13
14	---	---	---	---	5.47E	3.39	6.04	3.82	2.61	6.82	---	---	14
15	---	---	---	---	5.09E	3.61	6.36	3.59	2.57	6.42	---	---	15
16	---	---	---	---	4.70A	3.85	5.88	3.28	2.65	6.01	---	---	16
17	---	---	---	---	6.23A	3.37	33.0	3.06	5.88	5.75	---	---	17
18	---	---	---	---	19.5	3.01	86.3	2.89	6.72	5.35	---	---	18
19	---	---	0.643B	---	27.7	2.95	36.5	2.86	5.36	5.03	---	---	19
20	---	---	---	1.32	21.4	2.73	24.7	2.59	4.93	4.81	---	---	20
21	---	---	---	2.52	18.1	2.53	18.7	2.48	4.62	4.61	---	---	21
22	---	---	---	3.53	20.2	2.31	14.6	2.41	4.53	4.37	---	---	22
23	---	---	---	3.20	14.0	2.19	13.2	3.33	4.33	4.18	---	---	23
24	---	---	---	2.42	10.2	2.14	13.2	2.38	4.24	4.02	---	---	24
25	---	---	---	1.90	8.33	2.12	10.8	2.58	8.01	3.88	---	---	25
26	---	---	0.795B	1.67	7.51	2.12	11.4	2.91	22.3	3.76	---	---	26
27	---	---	---	1.55	7.07	1.99	11.8	2.31	18.7	3.68	---	---	27
28	---	1.07B	---	1.42	6.50	1.84	10.3	2.14	15.2	3.57	---	---	28
29	---	---	---	1.56	5.88	4.13	9.78	2.06	12.9	3.43	---	---	29
30	---	---	---	1.47	5.38	13.8	10.2	2.88	11.4	3.22A	---	---	30
31	---	---	---		4.89		8.58	3.46		3.41E	---	---	31
TOTAL	---	---	---	---	254.66	115.97	395.85	118.53	174.37	211.41	---	---	TOTAL
MEAN	---	---	---	---	8.21	3.87	12.8	3.82	5.81	6.82	---	---	MEAN
MAX	---	---	---	---	27.7	13.8	86.3	7.61	22.3	12.5	---	---	MAX
MIN	---	---	---	---	1.05	1.84	4.08	2.06	2.41	3.21	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY 86.3 ON JUL 18

MAXIMUM INSTANTANEOUS
95.6 AT 11:41 MST ON JUL 18

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 44 10 N
LONG 114 35 20 W
DRAINAGE AREA 498 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	34 300
FEB	---	AUG	10 200
MAR	---	SEP	15 100
APR	---	OCT	18 300
MAY	22 000	NOV	---
JUN	10 000	DEC	---

FAWCETT LAKE NEAR SMITH - STATION NO. 07BK008

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	611.358	611.563	611.625	611.852	611.813	611.520	611.422	---	---	1
2	---	---	---	611.357	611.577	611.615	611.846	611.801	611.516	611.419	---	---	2
3	---	---	---	611.358	611.584	611.603	611.834	611.791	611.508	611.420	---	---	3
4	---	---	---	611.357	611.593	611.592	611.825	611.791	611.496	611.419	---	---	4
5	---	---	---	611.356	611.608	611.585	611.816	611.782	611.489	611.421	---	---	5
6	---	---	---	611.353	611.616	611.577	611.805	611.774	611.484	611.423	---	---	6
7	---	---	---	611.356	611.623	611.563	611.806	611.765	611.478	611.421	---	---	7
8	---	---	---	611.357	611.633	611.556	611.804	611.759	611.473	611.421	---	---	8
9	---	---	---	611.362	611.640	611.546	611.799	611.748	611.466	611.420	---	---	9
10	---	---	---	611.370	611.637	611.534	611.793	611.736	611.463	611.414	---	---	10
11	---	---	---	611.381	611.642	611.539	611.804	611.729	611.457	611.412	---	---	11
12	---	---	---	611.388	611.642	611.535	611.808	611.721	611.445	611.410	---	---	12
13	---	---	---	611.395	611.643	611.531	611.807	611.708	611.441	611.410	---	---	13
14	---	---	---	611.400	611.639	611.528	611.807	611.695	611.435	611.409	---	---	14
15	---	---	---	611.403	611.633	611.525	611.813	611.675	611.431	611.409	---	---	15
16	---	---	---	611.407	611.626	611.523	611.820	611.664	611.431	611.407	---	---	16
17	---	---	---	611.409	611.616	611.518	611.836	611.656	611.428	611.406	---	---	17
18	---	---	---	611.414	611.616	611.512	611.865	611.648	611.427	611.404	---	---	18
19	---	---	---	611.416	611.613	611.531	611.889	611.640	611.424	611.403	---	---	19
20	---	---	---	611.422	611.605	611.530	611.731	611.625	611.422	611.402	---	---	20
21	---	---	---	611.429	611.605	611.556	611.779	611.616	611.420	611.403	---	---	21
22	---	---	---	611.440	611.611	611.575	611.818	611.606	611.421	611.402	---	---	22
23	---	---	---	611.451	611.618	611.608	611.844	611.600	611.415	611.398	---	---	23
24	---	---	---	611.460	611.627	611.643	611.857	611.591	611.414	611.397	---	---	24
25	---	---	---	611.472	611.639	611.659	611.864	611.580	611.411	611.396	---	---	25
26	---	611.372A	611.343A	611.488	611.645	611.667	611.869	611.574	611.412	611.396	---	---	26
27	---	---	611.343	611.500	611.646	611.675	611.867	611.567	611.423	611.395	---	---	27
28	---	---	611.347	611.511	611.646	611.673	611.859	611.560	611.424	611.392A	---	---	28
29	---		611.348	611.531	611.646	611.667	611.848	611.550	611.423	611.392E	---	---	29
30	---		611.351	611.552	611.642	611.660	611.836	611.543	611.424	611.390E	---	---	30
31	---		611.355		611.634		611.826	611.528		611.388E		---	31
MEAN	---	---	---	611.415	611.623	611.582	611.704	611.672	611.447	611.407	---	---	MEAN
MAX	---	---	---	611.552	611.646	611.675	611.869	611.813	611.520	611.423	---	---	MAX
MIN	---	---	---	611.353	611.[illegible]	611.512	611.593	611.529	611.411	611.388	---	---	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MAXIMUM DAILY, 611.869 ON JUL 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 18 20 N
LONG 113 51 20 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA
1 240 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

FIREBAG RIVER NEAR THE MOUTH - STATION NO. 07DC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.36B	16.4 B	7.63B	11.4B	67.4	51.6	35.3	41.2	20.3	15.3	16.1B	12.3B	1
2	9.32B	16.3 B	7.93B	11.0B	69.3	49.0	33.9	40.4	20.0	15.1	16.1B	12.2B	2
3	9.28B	15.9 B	7.95B	11.1B	73.1	46.3	33.1	39.1	19.6	15.0	16.0B	12.2B	3
4	9.24B	15.6 B	7.80B	10.9B	72.0	45.2	34.7	37.8	20.1	14.9	15.9B	12.2B	4
5	9.20B	15.6 B	7.76B	10.8B	76.0	43.2	42.7	36.5	20.8	14.9	15.8B	12.0B	5
6	9.16B	15.6 B	7.89B	10.6B	78.4	41.4	54.1	35.2	21.4	15.7	15.6B	12.0B	6
7	11.0 B	15.3 B	7.90B	10.8B	81.4	39.6	64.4	33.4	20.9	16.1	15.4B	12.0B	7
8	11.5 B	14.8 B	7.91B	11.1B	81.5	37.9	67.7	32.4	20.6	16.7	15.2B	12.0B	8
9	11.8 B	14.7 B	8.11B	13.6B	82.2	36.5	67.1	32.1	20.4	17.1	15.0B	12.0B	9
10	12.2 B	14.1 B	8.08B	23.5B	82.8	35.1	64.6	31.5	19.9	17.6	14.8B	12.0B	10
11	12.4 B	13.6 B	8.28B	31.9B	86.3	33.9	62.3	30.7	19.5	18.5	14.6B	12.0B	11
12	12.5 B	13.3 B	8.67B	28.8B	90.3	32.9	59.7	29.3	19.2	19.0	14.5B	12.0B	12
13	12.6 B	12.7 B	8.81B	23.8B	92.3	31.3	56.2	28.1	19.0	19.6	14.3B	12.0B	13
14	13.0 B	12.3 B	10.0 B	20.4B	90.4	30.0	53.2	27.0	18.8	20.0	14.1B	12.0B	14
15	13.4 B	12.0 B	10.8 B	20.0B	86.4	28.8	52.4	26.0	18.3	20.1	14.0B	12.0B	15
16	13.7 B	11.4 B	11.3 B	23.5B	82.1	27.6	50.5	25.4	18.0	19.9	13.9B	12.0B	16
17	14.0 B	10.6 B	11.7 B	26.0B	77.9	27.0	48.7	25.1	18.0	19.3	13.8B	12.0B	17
18	14.0 B	10.1 B	11.9 B	24.0B	74.4	26.3	50.1	24.9	17.8	19.0	13.7B	12.0B	18
19	14.7 B	9.21B	11.8 B	25.0B	71.4	28.7	58.5	25.2	17.6	18.9	13.6B	12.0B	19
20	14.9 B	8.83B	11.9 B	30.0B	68.7	34.2	63.8	25.4	17.5	19.1	13.5B	12.0B	20
21	15.0 B	8.54B	12.0 B	36.0B	66.0	40.6	65.6	26.0	17.2	19.5	13.4B	11.9B	21
22	15.2 B	8.25B	12.1 B	31.0B	63.8	47.7	65.5	25.9	17.2	18.6	13.3B	11.9B	22
23	15.7 B	7.69B	12.1 B	29.5B	65.8	53.6	63.2	25.2	17.0	19.7	13.2B	11.9B	23
24	16.0 B	7.62B	12.1 B	34.0B	70.1	55.1	60.2	24.6	17.2	19.8	13.1B	11.9B	24
25	15.8 B	7.62B	11.8 B	46.0B	72.6	53.5	56.6	23.9	17.3	19.9	13.0B	11.9B	25
26	15.9 B	7.75B	11.8 B	58.0B	72.7	50.1	52.6	23.3	17.4	20.4	12.9B	11.9B	26
27	15.9 B	7.75B	12.3 B	68.0B	71.1	46.9	48.4	22.8	17.5	21.7	12.8B	11.8B	27
28	15.9 B	7.64B	12.4 B	74.5B	67.4	44.2	45.0	22.2	17.2	23.4B	12.7B	11.8B	28
29	15.9 B		11.9 B	73.3	63.6	41.2	42.3	21.4	16.5	18.5B	12.6B	11.8B	29
30	15.7 B		11.7 B	68.7	59.5	38.2	41.0	20.9	15.9	17.2B	12.4B	11.8B	30
31	15.7 B		11.6 B		55.4		41.0	20.7		16.6B		11.8B	31
TOTAL	410.26	331.20	316.12	901.2	2 312.3	1 197.8	1 634.5	883.6	558.2	569.1	425.3	371.3	TOTAL
MEAN	13.2	11.8	10.2	30.0	74.6	39.9	52.7	28.5	18.6	18.4	14.2	12.0	MEAN
MAX	16.0	16.4	12.4	74.5	92.3	55.1	67.7	41.2	21.4	23.4	16.1	12.3	MAX
MIN	9.16	7.62	7.76	10.8	55.4	26.3	33.1	20.7	15.9	14.9	12.4	11.8	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 27.2
MAXIMUM DAILY, 92.3 ON MAY 13
MINIMUM DAILY, 7.62B ON FEB 24
MAXIMUM INSTANTANEOUS,
92.8 AT 07:04 MST ON MAY 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 38 30 N
LONG 111 10 30 W
DRAINAGE AREA, 5 980 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	35 400	JUL	141 000
FEB	28 800	AUG	76 300
MAR	27 300	SEP	48 200
APR	77 900	OCT	49 200
MAY	200 000	NOV	35 700
JUN	103 000	DEC	32 100

TOTAL DISCHARGE, 855 000 dam³

FISH CREEK ABOVE LITTLE FISH LAKE - STATION NO 05CC006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.7278	0.0188	0	0	0	0	0	0.010	0.006	---	1
2	---	---	0.4008	0.0148	0	0	0	0	0	0.025	0.006	---	2
3	---	---	0.2058	0.0148	0	0	0	0	0	0.022	0.009A	---	3
4	---	---	0.1478	0.017E	0.001	0	0	0	0	0.017	---	---	4
5	---	---	0.1088	0.0168	0.005	0	0	0	0	0.013	---	---	5
6	---	---	0.0978	0.0188	0.008	0	0	0	0	0.013	---	---	6
7	---	---	0.0968	0.0198	0.008	0	0	0	0	0.010	---	---	7
8	---	---	0.0858	0.0198	0.006	0.002	0	0	0	0.010	---	---	8
9	---	---	0.0418	0.0188	0.004	0.013	0	0	0	0.011	---	---	9
10	---	---	0.0288	0.0158	0.006	0.011	0	0	0	0.012	---	---	10
11	---	---	0.0228	0.0118	0.009	0.007	0	0	0	0.012	---	---	11
12	---	---	0.0178	0.0078	0.008	0	0	0	0	0.011	---	---	12
13	---	---	0.0148	0.0028	0.006	0	0	0	0	0.010	---	---	13
14	---	---	0.0178	0.010	0.021	0	0	0	0	0.009	---	---	14
15	---	---	0.0138	0.011	0.028	0	0	0	0	0.011	---	---	15
16	---	---	0.0108	0.012	0.024	0.002	0	0	0	0.011	---	---	16
17	---	---	0.0158	0.014	0.016	0.009	0	0	0	0.008	---	---	17
18	---	---	0.0208	0.014	0.013	0.003	0	0	0	0.008	---	---	18
19	---	---	0.0298	0.014	0.010	0	0	0	0	0.007	---	---	19
20	---	---	0.0248	0.010	0.007	0	0	0	0	0.008	---	---	20
21	---	---	0.0238	0.007	0.005	0	0	0	0	0.008	---	---	21
22	---	---	0.0158	0.006	0.004	0	0	0	0	0.006	---	---	22
23	---	---	0.0118	0.005	0.007	0	0	0	0	0.007	---	---	23
24	---	0 B	0.0118	0.006	0.004	0	0	0	0	0.008	---	---	24
25	---	0.008B	0.0118	0.004	0.001	0	0	0	0.035	0.008	---	---	25
26	---	0.030B	0.0188	0.003	0	0	0	0	0.032	0.007	---	---	26
27	---	0.051B	0.0228	0.002	0	0	0	0	0.016	0.007	---	---	27
28	---	0.350B	0.0208	0	0	0	0	0	0.013	0.006	---	---	28
29	---		0.0218	0.001	0	0	0	0	0.011	0.006	---	---	29
30	---		0.0198	0	0	0	0	0	0.008	0.008	---	---	30
31	---		0.0198		0		0	0		0.006	---	---	31
TOTAL	---	---	2.285	0.315	0.201	0.047	0	0	0.116	0.316	---	---	TOTAL
MEAN	---	---	0.074	0.011	0.006	0.002	0	0	0.004	0.010	---	---	MEAN
MAX	---	---	0.727	0.019	0.028	0.013	0	0	0.035	0.025	---	---	MAX
MIN	---	---	0.010	0	0	0	0	0	0	0.006	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.013
MAXIMUM DAILY, 0.7278 ON MAR 1
MINIMUM DAILY, 0 ON APR 28

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 23 15 N
LONG 112 12 17 W
DRAINAGE AREA, 121 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	197	SEP	9.94
APR	27.2	OCT	27.3
MAY	17.4	NOV	---
JUN	4.06	DEC	---

TOTAL DISCHARGE, 283 dam³

FISH CREEK NEAR PRIDDIS - STATION NO 05BK001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.40 B	0.2088	0.408	0.865	0.927	0.498	0.261	2.82	0.903	---	1
2	---	---	1.75 B	0.1548	0.378	0.783	0.648	0.402	0.204	3.64	0.763	---	2
3	---	---	1.74 B	0.1348	0.357	0.726	0.518	0.329	0.189	2.87	0.772	---	3
4	---	---	1.32 B	0.1538	0.463	0.684	0.458	0.292	0.231	2.26	0.787	---	4
5	---	---	0.9068	0.1548	1.24	0.818	0.443	0.273	0.350	2.06	0.789	---	5
6	---	---	0.5558	0.1588	1.73	1.13	0.413	0.258	0.415	1.89	0.787A	---	6
7	---	---	0.4358	0.1888	1.86	1.19	0.380	0.229	0.395	1.79	---	---	7
8	---	---	0.3508	0.226	1.30	1.45	0.349	0.195	0.368	1.80	---	---	8
9	---	---	0.2908	0.256	1.10	1.56	0.604	0.213	0.342	1.85	---	---	9
10	---	---	0.2718	0.305	1.08	1.16	0.697	0.221	0.326	1.97	---	---	10
11	---	---	0.2808	0.327	1.26	0.958	0.604	0.226	0.339	1.80	---	---	11
12	---	---	0.2818	0.320	1.38	0.805	0.489	0.233	0.350	1.61	---	---	12
13	---	---	0.2818	0.2718	1.29	0.677	0.485	0.208	0.384	1.43	---	---	13
14	---	---	0.2948	0.2858	1.38	0.587	0.594	0.220	0.432	1.30	---	---	14
15	---	---	0.2678	0.286	1.52	0.582	0.586	0.180	0.456	1.22	---	---	15
16	---	---	0.2388	0.314	2.16	0.655	0.603	0.138	0.484	1.14	---	---	16
17	---	---	0.2458	0.407	2.43	0.582	1.82	0.109	0.778	1.07	---	---	17
18	---	---	0.2268	0.473	2.05	0.493	2.26	0.095	0.930	1.02	---	---	18
19	---	---	0.2658	0.444	1.58	0.459	1.45	0.088	0.839	0.984	---	---	19
20	---	0 B	0.3048	0.427	1.42	0.406	1.02	0.075	0.757	0.926	---	---	20
21	---	0 B	0.3858	0.432	1.58	0.339	0.814	0.068	0.695	0.897	---	---	21
22	---	0 B	0.4108	0.474	2.57	0.281	0.656	0.055	0.585	0.855	---	---	22
23	---	0 B	0.3808	0.539	2.32	0.224	0.578	0.056	0.615	0.814	---	---	23
24	---	0.028B	0.3008	0.566	1.99	0.183	0.538	0.051	0.574	0.822	---	---	24
25	---	4.85 B	0.2438	0.631	1.86	0.176	0.533	0.080	1.10	0.799	---	---	25
26	---	3.81 B	0.2128	0.544	1.49	0.158	0.711	0.048	4.88	0.765	---	---	26
27	---	2.72 B	0.3108	0.524	1.38	0.140	0.518	0.044	5.90	0.738	---	---	27
28	---	1.79 B	0.4008	0.500	1.22	0.185	0.809	0.046	3.45	0.744	---	---	28
29	---		0.4508	0.486	1.10	0.315	0.724	0.043	2.69	0.696	---	---	29
30	---		0.4558	0.428	1.01	0.789	0.704	0.094	2.31	0.678	---	---	30
31	---		0.3798		0.929		0.627	0.220		0.720			31
TOTAL	---	---	15.811	10.802	43.435	13.371	22.941	5.287	31.510	43.979	---	---	TOTAL
MEAN	---	---	0.504	0.353	1.40	0.841	0.740	0.170	1.05	1.42	---	---	MEAN
MAX	---	---	1.75	0.631	2.57	1.56	2.26	0.498	5.90	3.64	---	---	MAX
MIN	---	---	0.212	0.134	0.357	0.140	0.348	0.043	0.189	0.678	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.787
MAXIMUM DAILY, 5.90 ON SEP 27
MINIMUM DAILY, 0.043 ON AUG 28

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 53 10 N
LONG 114 19 35 W
DRAINAGE AREA, 259 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 880
FEB	---	AUG	455
MAR	1 350	SEP	2 720
APR	916	OCT	3 800
MAY	3 750	NOV	---
JUN	1 670	DEC	---

TOTAL DISCHARGE, 16 800 dam³

FLAT CREEK NEAR BOYLE - STATION NO. 07CA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.150B	0.641A	0.074	0.007	0	1.12	0	0.001	0.017	---	1
2	---	---	0.200B	0.428	0.066	0.005	0	0.808	0	0.001	0.023	---	2
3	---	---	0.190B	0.367	0.121	0.013	0	0.578	0	0.001	0.034	---	3
4	---	---	0.180B	0.447	0.198	0.009	0	0.529	0	0.001	0.044	---	4
5	---	---	0.170B	0.440	0.079	0.004	0	0.568	0	0.030	0.052	---	5
6	---	---	0.152B	0.370	0.061	0.001	0	0.525	0	0.035	0.058A	---	6
7	---	---	0.130B	0.296	0.052	0	0	0.436	0	0.017	---	---	7
8	---	---	0.110B	0.285	0.051	0	0.047	0.354	0	0.039	---	---	8
9	---	---	0.105B	0.272	0.050	0	0.051	0.267	0	0.051	---	---	9
10	---	---	0.103B	0.206	0.051	0	0.030	0.202	0	0.044	---	---	10
11	---	---	0.102B	0.154	0.051	0	0.013	0.169	0	0.041	---	---	11
12	---	---	0.101B	0.136	0.055	0	0.036	0.139	0	0.030	---	---	12
13	---	---	0.100B	0.126	0.055	0	0.171	0.119	0	0.028	---	---	13
14	---	---	0.100B	0.125	0.067	0	0.822	0.090	0	0.025	---	---	14
15	---	---	0.103B	0.124	0.059	0	1.63	0.076	0	0.023	---	---	15
16	---	---	0.108B	0.124	0.053	0	2.80	0.059	0	0.020	---	---	16
17	---	---	0.118B	0.117	0.054	0	3.73	0.047	0	0.018	---	---	17
18	---	---	0.150B	0.118	0.051	0	8.81	0.040	0	0.013	---	---	18
19	---	---	0.200B	0.120	0.048	0	10.1	0.048	0	0.011	---	---	19
20	---	---	0.300B	0.118	0.041	0.009	7.41	0.045	0	0.009	---	---	20
21	---	---	0.250B	0.112	0.032	0	4.29	0.032	0	0.009	---	---	21
22	---	---	0.220B	0.111	0.092	0	2.67	0.023	0	0.009	---	---	22
23	---	---	0.210B	0.088	0.038	0	1.82	0.021	0	0.010	---	---	23
24	---	---	0.200B	0.085	0.056	0	1.36	0.015	0	0.008	---	---	24
25	---	---	0.268B	0.091	0.053	0	1.70	0.012	0	0.010	---	---	25
26	---	---	0.515B	0.090	0.043	0	1.88	0.008	0	0.018	---	---	26
27	---	---	0.763B	0.081	0.034	0	1.31	0.004	0.001	0.019	---	---	27
28	---	---	1.01 B	0.078	0.024	0	1.31	0.002	0.007	0.018	---	---	28
29	---		1.83 B	0.076	0.020	0	1.53	0.001	0.001	0.022	---	---	29
30	---		1.40 B	0.076	0.018	0	1.25	0	0.001	0.022	---	---	30
31	---		1.02 B		0.011		1.25	0		0.019		---	31
TOTAL	---	---	10.358	5.912	1.760	0.048	55.620	6.337	0.010	0.812	---	---	TOTAL
MEAN	---	---	0.334	0.197	0.057	0.002	1.79	0.204	0	0.020	---	---	MEAN
MAX	---	---	1.83	0.641	0.198	0.013	10.1	1.12	0.007	0.051	---	---	MAX
MIN	---	---	0.100	0.076	0.011	0	0	0	0	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.329
MAXIMUM DAILY, 10.1 ON JUL 19
MINIMUM DAILY, 0 ON JUN 7
MAXIMUM INSTANTANEOUS
10.6 AT 01 10 MST ON JUL 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 35 15 N
LONG 112 54 20 W
DRAINAGE AREA, 184 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6 810
FEB	---	AUG	548
MAR	885	SEP	0.86
APR	511	OCT	52.9
MAY	182	NOV	---
JUN	6 15	DEC	---

TOTAL DISCHARGE, 6 970 dam³

FOOTHILLS CREEK NEAR PINCHER CREEK - STATION NO. 05AD901

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.337	0.228	0.052	0	0	0	0	---	---	1
2	---	---	---	0.341	0.186	0.041	0	0	0	0	---	---	2
3	---	---	---	0.345	0.174	0.029	0	0	0	0	---	---	3
4	---	---	0.781A	0.349	0.301	0.031	0	0	0	0	---	---	4
5	---	---	0.886	0.307	0.721	0.064	0	0	0	0	---	---	5
6	---	---	0.814	0.260	1.02	0.439	0	0	0	0	---	---	6
7	---	---	0.526	0.207	1.11	0.847	0	0	0	0	---	---	7
8	---	---	0.672	0.181	0.873	0.821	0	0	0	0	---	---	8
9	---	---	0.845	0.167	0.588	0.449	0	0	0	0	---	---	9
10	---	---	0.536	0.157	0.558	0.384	0	0	0	0	---	---	10
11	---	---	0.445	0.154	0.474	0.224	0	0	0	0	---	---	11
12	---	---	0.402	0.177	0.479	0.117	0	0	0	0	---	---	12
13	---	---	0.386	0.185	0.419	0.145	0	0	0	0	---	---	13
14	---	---	0.335	0.218	0.346	0.130	0	0	0	0	---	---	14
15	---	---	0.303	0.338	0.385	0.089	0	0	0	0	---	---	15
16	---	---	0.317	0.403	0.656	0.078	0	0	0	0	---	---	16
17	---	---	0.317	0.485	0.931	0.052	0	0	0	0	---	---	17
18	---	---	0.296	0.398	0.887	0.029	0	0	0	0.007	---	---	18
19	---	---	0.278	0.291	0.657	0.016	0	0	0	0.009	---	---	19
20	---	---	0.282	0.215	0.493	0.014	0	0	0	0.009	---	---	20
21	---	---	0.324	0.183	0.422	0.008	0	0	0	0.008	---	---	21
22	---	---	0.383	0.179	0.515	0.005	0	0	0	0.008	---	---	22
23	---	---	0.369	0.205	0.527	0.003	0	0	0	0.007	---	---	23
24	---	---	0.332	0.300	0.374	0.001	0	0	0	0.007	---	---	24
25	---	---	0.309	0.385	0.284	0	0	0	0	0.006	---	---	25
26	---	---	0.296	0.481	0.235	0	0	0	0	0.006	---	---	26
27	---	---	0.267	0.540	0.181	0	0	0	0	0.006	---	---	27
28	---	---	0.297	0.485	0.145	0	0	0	0	0.005A	---	---	28
29	---		0.332	0.355	0.110	0	0	0	0	0.005E	---	---	29
30	---		0.323	0.281	0.093	0	0	0	0	0.005E	---	---	30
31	---		0.316		0.082		0	0		0.005E		---	31
TOTAL	---	---	---	8.888	14.851	3.698	0	0	0	0.093	---	---	TOTAL
MEAN	---	---	---	0.288	0.489	0.123	0	0	0	0.003	---	---	MEAN
MAX	---	---	---	0.540	1.11	0.847	0	0	0	0.009	---	---	MAX
MIN	---	---	---	0.154	0.082	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.127
MAXIMUM DAILY, 1.11 ON MAY 7
MINIMUM DAILY, 0 ON JUN 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 24 25 N
LONG 113 42 00 W

A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	---	SEP	0
APR	768	OCT	8.04
MAY	1 260	NOV	---
JUN	320	DEC	---

TOTAL DISCHARGE, 2 380 dam³

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

FORSTER RESERVOIR NEAR CESSFORD - STATION NO. 05CN013

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	24.205E	24.265	24.252	25.206	24.703	24.964	24.542	24.727	24.782	---	1
2	---	---	24.205E	24.264	24.254	25.060	24.753	24.948	24.530	24.733	24.858	---	2
3	---	---	24.205E	24.258	24.345	24.927	24.806	24.924	24.524	24.734	24.929	---	3
4	---	---	24.205E	24.262	24.474	24.787	24.880	24.895	24.517	24.741	24.988	---	4
5	---	---	24.205A	24.283	24.595	24.678	24.958	24.870	24.517	24.741	25.031	---	5
6	---	---	24.211	24.282	24.720	24.547	25.034	24.850	24.505	24.748	25.063A	---	6
7	---	---	24.212	24.261	24.838	24.442	25.104	24.826	24.503	24.748	---	---	7
8	---	---	24.212	24.259	24.952	24.380	25.171	24.793	24.502	24.743	---	---	8
9	---	---	24.214	24.260	25.049	24.319	25.237	24.782	24.504	24.745	---	---	9
10	---	---	24.217	24.253	25.136	24.287	25.309	24.783	24.506	24.742	---	---	10
11	---	---	24.216	24.250	25.234	24.236	25.375	24.784	24.537	24.731	---	---	11
12	---	---	24.218	24.237	25.314	24.159	25.424	24.779	24.539	24.730	---	---	12
13	---	---	24.217	24.238	25.400	24.080	25.453	24.776	24.525	24.728	---	---	13
14	---	---	24.220	24.233	25.516	24.027	25.474	24.770	24.527	24.733	---	---	14
15	---	---	24.220	24.235	25.562	23.961	25.477	24.757	24.525	24.731	---	---	15
16	---	---	24.221	24.237	25.571	23.886	25.459	24.748	24.526	24.730	---	---	16
17	---	---	24.224	24.236	25.576	23.834	25.450	24.731	24.538	24.727	---	---	17
18	---	---	24.226	24.237	25.572	23.783	25.447	24.715	24.531	24.725	---	---	18
19	---	---	24.230	24.238	25.574	23.822	25.414	24.699	24.528	24.722	---	---	19
20	---	---	24.234	24.236	25.570	23.881	25.372	24.688	24.532	24.720	---	---	20
21	---	---	24.240	24.236	25.572	23.975	25.318	24.643	24.524	24.724	---	---	21
22	---	---	24.240	24.238	25.568	24.080	25.285	24.629	24.522	24.711	---	---	22
23	---	---	24.243	24.238	25.566	24.174	25.236	24.633	24.517	24.705	---	---	23
24	---	---	24.245	24.238	25.559	24.251	25.198	24.634	24.515	24.705	---	---	24
25	---	---	24.248	24.238	25.583	24.347	25.183	24.640	24.504	24.707	---	---	25
26	---	---	24.255	24.239	25.571	24.428	25.138	24.629	24.703	24.705	---	---	26
27	---	---	24.261	24.237	25.564	24.496	25.102	24.627	24.726	24.707	---	---	27
28	---	---	24.260	24.242	25.538	24.553	25.074	24.625	24.737	24.704	---	---	28
29	---		24.262	24.262	25.498	24.598	25.041	24.603	24.745	24.701	---	---	29
30	---		24.263	24.256	25.447	24.653	25.015	24.583	24.731	24.703	---	---	30
31	---		24.263		25.354		24.985	24.566		24.723		---	31
MEAN	---	---	24.229	24.247	25.236	24.330	25.189	24.738	24.559	24.725	---	---	MEAN
MAX	---	---	24.263	24.285	25.576	25.206	25.477	24.964	24.745	24.748	---	---	MAX
MIN	---	---	24.205	24.233	24.252	23.783	24.703	24.566	24.502	24.701	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MAXIMUM DAILY, 25.576 ON MAY 17

MAXIMUM INSTANTANEOUS, 25.581 AT 10:44 MST ON MAY 17

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 58 51 N
LONG 111 45 56 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA
303 km²

FREEMAN RIVER NEAR FORT ASSINIBOINE - STATION NO 07AH001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.900B	1.858	37.1	20.8	12.5	20.2	2.86	9.55	10.1	---	1
2	---	---	0.800B	1.738	34.6	14.2	10.2	16.9	2.50	8.83	---	---	2
3	---	---	0.700B	1.708	33.8	14.4	9.73	15.9	2.48	8.89	---	---	3
4	---	---	0.850B	1.708	32.0	12.2	9.46	15.7	2.50	8.55	---	---	4
5	---	---	0.560B	2.008	34.3	11.6	12.1	26.5	2.89	10.4	---	---	5
6	---	---	0.450B	2.508	35.2	10.2	12.4	21.6	2.80	17.9	---	---	6
7	---	---	0.400B	3.208	41.0	10.1	13.2	18.1	2.72	18.8	---	---	7
8	---	---	0.350B	5.008	45.5	8.74	12.1	17.9	2.56	17.5	---	---	8
9	---	---	0.350B	7.208	52.8	8.73	11.6	10.7	2.55	18.0	---	---	9
10	---	---	0.350B	7.408	48.8	8.46	12.3	10.5	2.56	16.5	---	---	10
11	---	---	0.400B	7.208	48.0	7.91	12.2	10.0	2.88	12.5	---	---	11
12	---	---	0.400B	6.008	45.8	8.45	45.6	9.28	3.13	11.9	---	---	12
13	---	---	0.400B	4.308	43.9	10.4	35.8	7.64	3.89	11.8	---	---	13
14	---	---	0.450B	3.708	42.2	10.2	34.3	6.71	3.95	10.4	---	---	14
15	---	---	0.450B	3.608	40.3	9.57	40.9	6.54	4.23	9.73	---	---	15
16	---	---	0.500B	4.088	34.2	11.3	40.3	5.78	3.95	8.98	---	---	16
17	---	---	0.800B	4.708	31.6	11.3	61.7	5.10	3.72	8.48	---	---	17
18	---	---	0.850B	9.008	31.3	11.7	64.9	4.70	3.52	8.05	---	---	18
19	---	---	0.750B	30.0 B	35.0	12.3	146	4.51	3.40	7.47	---	---	19
20	---	---	0.850B	38.5 B	33.1	45.1	88.3	4.13	3.34	7.24	---	---	20
21	---	---	1.05 B	40.6	34.1	47.7	60.2	4.03	3.47	7.20	---	---	21
22	---	---	1.30 B	41.0	39.3	28.3	45.4	3.87	3.02	8.59	---	---	22
23	---	---	2.30 B	42.6	37.6	25.3	39.5	3.81	2.89	8.55	---	---	23
24	---	---	1.75 B	31.3	45.6	22.0	39.9	3.61	2.87	8.34	---	---	24
25	---	---	1.20 B	30.1	40.6	18.6	55.7	3.37	2.94	8.31	---	---	25
26	---	---	1.50 B	27.8	36.2	15.4	43.6	3.24	2.87	5.84	---	---	26
27	---	---	1.75 B	32.6	32.8	14.8	38.8	3.22	5.01	5.40	---	---	27
28	---	---	2.05 B	32.6	30.7	14.6	36.8	2.97	5.55	5.42	---	---	28
29	---		2.30 B	45.8	29.8	14.2	34.9	3.00	9.87	5.28	---	---	29
30	---		2.80 B	44.1	23.8	13.3	30.2	2.89	9.91	5.13	---	---	30
31	---		2.40 B		22.9		27.0	2.87		4.30		---	31
TOTAL	---	---	31.180	514.27	1 159.8	472.16	1 137.59	275.18	110.47	294.57	---	---	TOTAL
MEAN	---	---	1.01	17.1	37.4	15.7	36.7	8.88	3.68	9.50	---	---	MEAN
MAX	---	---	2.80	45.8	52.8	47.7	146	26.5	9.91	19.0	---	---	MAX
MIN	---	---	0.350	1.70	22.9	7.91	9.46	2.87	2.48	4.30	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 16.3
MAXIMUM DAILY, 146 ON JUL 19
MINIMUM DAILY, 0.350B ON MAR 8

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 21 52 N
LONG 114 54 13 W
DRAINAGE AREA, 1 880 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	98 300
FEB	---	AUG	23 800
MAR	2 890	SEP	9 540
APR	44 400	OCT	25 500
MAY	100 000	NOV	---
JUN	40 800	DEC	---

TOTAL DISCHARGE, 345 000 dam³

GALWEY BROOK NEAR WATERTON PARK - STATION NO. 05AD904

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.080E	0.255	0.395	0.633	0.083	0.008	0.002	0.484	---	---	1
2	---	---	0.080E	0.241	0.411	0.413	0.089	0.005	0.001	0.423	---	---	2
3	---	---	0.080E	0.232	0.404	0.320	0.087	0.004	0.000	0.380	---	---	3
4	---	---	0.082A	0.238	0.487	0.297	0.083	0.003	0.045	0.498	---	---	4
5	---	---	0.080	0.244	0.516	0.271	0.080	0.003	0.083	0.794	---	---	5
6	---	---	0.084	0.232	0.555	0.208	0.078	0.002	0.077	1.20	---	---	6
7	---	---	0.093	0.223	0.611	0.172	0.073	0.001	0.070	1.09	---	---	7
8	---	---	0.101	0.217	0.703	0.159	0.068	0.001	0.078	0.954	---	---	8
9	---	---	0.106	0.208	0.836	0.152	0.067	0.001	0.118	0.860	---	---	9
10	---	---	0.111	0.209	0.863	0.144	0.074	0.001	0.079	0.722	---	---	10
11	---	---	0.116	0.204	0.880	0.124	0.072	0.008	0.056	0.705	---	---	11
12	---	---	0.124	0.191	0.884	0.112	0.067	0.019	0.052	0.654	---	---	12
13	---	---	0.133	0.182	0.822	0.112	0.062	0.002	0.057	0.602	---	---	13
14	---	---	0.143	0.180	0.767	0.121	0.055	0.001	0.055	0.563	---	---	14
15	---	---	0.152	0.184	0.713	0.131	0.055	0.001	0.054	0.538	---	---	15
16	---	---	0.172	0.190	0.714	0.130E	0.053	0.001	0.048	0.515	---	---	16
17	---	---	0.188	0.194	0.699	0.130E	0.048	0	0.065	0.516	---	---	17
18	---	---	0.195	0.208	0.796	0.130E	0.045	0	0.114	0.507	---	---	18
19	---	---	0.201	0.201	1.34	0.130E	0.042	0	0.096	0.467	---	---	19
20	---	---	0.213	0.200	1.62	0.130E	0.037	0	0.098	0.472	---	---	20
21	---	---	0.226	0.196	1.87	0.125	0.036	0	0.091	0.451	---	---	21
22	---	---	0.222	0.215	1.82	0.116	0.036	0	0.077	0.433	---	---	22
23	---	---	0.226	0.326	1.41	0.116	0.033	0	0.066	0.416	---	---	23
24	---	---	0.237	0.382	1.20	0.097	0.033	0	0.095	0.400	---	---	24
25	---	---	0.234	0.436	1.26	0.100	0.032	0.001	0.171	0.382	---	---	25
26	---	---	0.260	0.454	1.55	0.124	0.031	0.001	0.293	0.395	---	---	26
27	---	---	0.258	0.474	1.72	0.111	0.029	0.001	0.457	0.407	---	---	27
28	---	---	0.260	0.466	1.44	0.097	0.026	0.001	0.508	0.394A	---	---	28
29	---		0.277	0.454	1.14	0.092	0.025	0	0.572	0.410E	---	---	29
30	---		0.283	0.424	0.959	0.081	0.023	0.003	0.483	0.410E	---	---	30
31	---		0.274		0.790		0.013	0.003		0.410E		---	31
TOTAL	---	---	5.291	8.058	30.155	5.078	1.635	0.071	4.166	17.463	---	---	TOTAL
MEAN	---	---	0.171	0.269	0.973	0.169	0.053	0.002	0.139	0.563	---	---	MEAN
MAX	---	---	0.283	0.474	1.87	0.633	0.089	0.019	0.608	1.20	---	---	MAX
MIN	---	---	0.080	0.180	0.395	0.081	0.013	0	0.001	0.380	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.311
MAXIMUM DAILY, 1.87 ON MAY 21
MINIMUM DAILY, 0 ON AUG 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 08 25 N
LONG 113 51 00 W

A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	141
FEB	---	AUG	6 13
MAR	457	SEP	360
APR	696	OCT	1 510
MAY	2 610	NOV	---
JUN	439	DEC	---

TOTAL DISCHARGE, 5 780 dam³

GHOST LAKE NEAR COCHRANE - STATION NO. 05BE005

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1188.26	1187.38	1187.20	1187.17	1187.35	1190.12	1190.18	1190.30	1190.49	1190.88	1187.93	1187.78	1
2	1188.08	1187.32	1187.07	1187.17	1187.20	1190.15	1190.09	1190.34	1190.58	1190.85	1187.68	1187.90	2
3	1188.05	1187.35	1187.04	1187.17	1187.07	1190.12	1190.06	1190.40	1190.67	1190.82	1187.62	1187.71	3
4	1187.83	1187.32	1187.10	1187.23	1187.04	1190.06	1190.00	1190.40	1190.88	1190.73	1187.62	1187.74	4
5	1187.65	1187.41	1187.17	1187.29	1187.01	1189.97	1189.94	1190.49	1191.01	1190.61	1187.11	1187.74	5
6	1187.50	1187.38	1187.20	1187.23	1187.07	1190.06	1189.88	1190.55	1191.07	1190.55	1187.81	1187.74	6
7	1187.47	1187.38	1187.20	1187.26	1187.10	1190.06	1189.91	1190.52	1191.04	1190.49	1187.87	1187.68	7
8	1187.50	1187.35	1187.29	1187.23	1187.07	1190.09	1190.12	1190.43	1190.85	1190.43	1187.90	1187.68	8
9	1187.58	1187.17	1187.20	1187.17	1187.10	1190.12	1190.15	1190.40	1190.70	1190.43	1187.84	1187.68	9
10	1187.59	1187.20	1187.20	1187.14	1187.07	1190.09	1190.21	1190.40	1190.67	1190.43	1187.78	1187.68	10
11	1187.56	1187.20	1187.23	1187.23	1187.04	1190.03	1190.24	1190.37	1190.58	1190.34	1187.84	1187.65	11
12	1187.56	1187.23	1187.20	1187.29	1187.07	1190.03	1190.27	1190.34	1190.58	1190.27	1187.90	1187.65	12
13	1187.17	1187.23	1187.23	1187.20	1187.07	1189.94	1190.21	1190.37	1190.64	1190.12	1187.84	1187.84	13
14	1187.04	1187.14	1187.26	1187.14	1187.04	1189.85	1190.18	1190.37	1190.58	1190.06	1187.81	1187.87	14
15	1186.92	1187.07	1187.38	1187.07	1186.83	1189.85	1190.09	1190.30	1190.67	1189.94	1187.96	1187.93	15
16	1186.71	1186.89	1187.32	1187.04	1186.62	1189.91	1190.06	1190.27	1190.76	1189.76	1188.05	1188.11	16
17	1186.71	1186.83	1187.29	1187.04	1186.34	1189.82	1190.21	1190.21	1190.88	1189.54	1188.20	1188.11	17
18	1186.77	1186.80	1187.26	1186.98	1186.22	1189.73	1190.21	1190.18	1190.95	1189.16	1188.20	1188.14	18
19	1186.80	1186.83	1187.23	1186.98	1185.95	1189.76	1190.15	1190.24	1190.88	1188.84	1188.20	1188.20	19
20	1186.89	1186.98	1187.20	1186.92	1185.79	1189.85	1190.18	1190.27	1191.01	1188.54	1188.23	1188.26	20
21	1186.92	1187.17	1187.26	1186.89	1185.67	1189.79	1190.21	1190.30	1191.04	1188.29	1188.29	1188.38	21
22	1186.98	1187.35	1187.32	1186.89	1185.55	1189.66	1190.18	1190.34	1191.04	1188.20	1188.23	1188.42	22
23	1187.01	1187.44	1187.26	1186.95	1185.52	1189.54	1190.21	1190.37	1191.04	1188.20	1188.20	1188.45	23
24	1186.95	1187.56	1187.26	1187.04	1185.46	1189.82	1190.21	1190.37	1190.98	1188.29	1188.14	1188.26	24
25	1187.10	1187.65	1187.29	1187.14	1185.64	1190.06	1190.15	1190.30	1191.04	1188.23	1188.14	1188.20	25
26	1187.23	1187.65	1187.26	1187.17	1185.79	1190.12	1190.15	1190.27	1191.07	1188.29	1188.14	1188.08	26
27	1187.35	1187.47	1187.23	1187.10	1186.65	1190.15	1190.12	1190.27	1191.04	1188.38	1188.17	1188.02	27
28	1187.41	1187.32	1187.20	1187.07	1188.17	1190.09	1190.15	1190.24	1191.01	1188.42	1188.17	1187.93	28
29	1187.50		1187.26	1187.10	1189.57	1190.09	1190.18	1190.21	1190.95	1188.29	1188.02	1187.90	29
30	1187.44		1187.14	1187.23	1189.94	1190.12	1190.21	1190.18	1190.88	1188.35	1187.87	1187.96	30
31	1187.38		1187.10		1190.03		1190.27	1190.34		1188.20		1187.96	31
MEAN	1187.32	1187.25	1187.22	1187.12	1186.94	1189.97	1190.14	1190.33	1190.88	1189.49	1187.98	1187.96	MEAN
MAX	1188.26	1187.65	1187.38	1187.29	1190.03	1190.15	1190.27	1190.65	1191.07	1190.88	1188.29	1188.45	MAX
MIN	1186.71	1186.80	1187.04	1186.89	1185.46	1189.54	1189.88	1190.18	1190.49	1188.20	1187.62	1187.65	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MEAN, 1188.55
MAXIMUM DAILY, 1191.07 ON SEP 6
MINIMUM DAILY, 1185.46 ON MAY 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 13 00 N
LONG 114 43 00 W

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

DRAINAGE AREA,
5 480 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

GHOST RIVER ABOVE WAIPAROUS CREEK - STATION NO. 05BG010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.73	2.20	2.00	1.65	1.52	2.97	3.37	4.58	4.93	5.80	4.48	3.95	1
2	2.70	2.17	2.00	1.63	1.49	2.64	3.24	4.56	4.87	5.62	4.50	3.96	2
3	2.67	2.15	1.98	1.61	1.46	2.25	3.18	4.61	5.03	5.26	4.56	3.91	3
4	2.62	2.10	1.99	1.58	1.54	2.09	3.21	4.39	5.14	5.00	4.54	3.88	4
5	2.59	2.08	1.96	1.57	1.80	2.06	3.22	4.40	5.30	4.84	4.58	3.86	5
6	2.58	2.04	1.93	1.56	2.24	2.11	3.19	4.45	5.03	4.71	4.59	3.85	6
7	2.56	2.01	1.89	1.55	2.38	2.19	3.14	4.62	4.97	4.71	4.49	3.83	7
8	2.56	2.00	1.85	1.61	2.10	2.46	3.30	4.77	4.89	4.74	4.36	3.80	8
9	2.54	1.97	1.85	1.63	2.06	2.38	3.52	4.85	4.80	4.74	4.29	3.74	9
10	2.53	1.96	1.82	1.67	2.13	2.11	3.54	4.89	4.78	4.68	4.28	3.73	10
11	2.54	1.94	1.79	1.67	2.41	2.00	3.54	4.92	4.77	4.65	4.28	3.73	11
12	2.53	1.93	1.79	1.69	2.36	1.91	3.73	4.85	4.70	4.62	4.27	3.70	12
13	2.51	1.87	1.78	1.65	2.17	1.86	3.91	5.09	4.68	4.62	4.26	3.68	13
14	2.49	1.86	1.78	1.67	2.17	1.86	3.89	4.95	4.67	4.60	4.26	3.69	14
15	2.48	1.83	1.76	1.65	2.18	2.03	4.20	4.94	4.61	4.56	4.24	3.67	15
16	2.47	1.88	1.73	1.65	2.33	1.92	4.42	4.92	4.95	4.51	4.23	3.68	16
17	2.47	1.88	1.72	1.63	2.39	1.91	7.74	4.68	5.42	4.44	4.26	3.67	17
18	2.44	1.87	1.70	1.62	2.23	2.13	5.74	4.92	5.13	4.43	4.26	3.63	18
19	2.41	1.70	1.66	1.63	2.10	2.02	4.80	4.90	4.95	4.39	4.23	3.64	19
20	2.40	1.71	1.65	1.64	1.98	2.01	4.59	4.87	4.94	4.37	4.20	3.63	20
21	2.38	1.80	1.69	1.65	2.22	2.03	4.39	4.89	4.84	4.34	4.18	3.60	21
22	2.34	1.82	1.69	1.65	2.69	2.09	4.50	4.89	4.82	4.34	4.16	3.61	22
23	2.29	1.84	1.68	1.67	2.53	2.13	4.55	4.98	4.78	4.42	4.14	3.60	23
24	2.28	1.86	1.68	1.63	2.27	2.22	4.67	4.95	4.69	4.49	4.14	3.54	24
25	2.28	2.12	1.67	1.60	2.15	2.26	4.51	4.98	5.18	4.55	4.11	3.43	25
26	2.27	2.07	1.66	1.57	2.08	2.33	4.74	4.95	7.57	4.55	4.12	3.42	26
27	2.27	1.95	1.68	1.48	2.93	2.42	4.81	4.94	6.45	4.59	4.07	3.40	27
28	2.26	1.95	1.70	1.45	3.99A	2.56	4.70	4.94	5.79	4.56	4.04	3.40	28
29	2.27		1.70	1.48	4.39	3.84	4.74	4.86	5.72	4.58	4.00	3.42	29
30	2.23		1.69	1.49	3.75	3.91	4.72	5.08	5.49	4.55	3.95	3.39	30
31	2.21		1.68		3.36		4.84	5.05		4.53		3.37	31
TOTAL	75.90	54.08	55.13	48.24	73.36	68.70	130.44	149.97	155.03	144.83	128.10	113.41	TOTAL
MEAN	2.45	1.93	1.78	1.61	2.37	2.29	4.21	4.84	5.17	4.67	4.27	3.66	MEAN
MAX	2.73	2.20	2.00	1.69	4.39	3.91	7.74	5.09	7.57	5.80	4.59	3.96	MAX
MIN	2.21	1.87	1.65	1.48	1.46	1.86	3.14	4.39	4.61	4.34	3.95	3.37	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.28
MAXIMUM DAILY, 7.74 ON JUL 17
MINIMUM DAILY, 1.46 ON APR 28
MAXIMUM INSTANTANEOUS,
9.17 AT 11 25 MST ON JUL 17

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 16 15 N
LONG 114 55 18 W
DRAINAGE AREA, 485 km²
A - MANUAL GAUGE

REGULATED SINCE 1941

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	6 560	JUL	11 300
FEB	4 670	AUG	13 000
MAR	4 780	SEP	13 400
APR	4 170	OCT	12 500
MAY	6 340	NOV	11 100
JUN	5 940	DEC	9 800

TOTAL DISCHARGE, 104 000 dam³

GHOST RIVER DIVERSION TO LAKE MINNEWANKA - STATION NO. 05BG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0B	0B	0 B	9.66	4.42	2.89	1.33	0	0	0	1
2	0B	0B	0B	0B	0 B	8.24	3.94	2.59	1.30	0	0	0	2
3	0B	0B	0B	0B	0 B	6.34	3.71	2.58	1.27	0	0	0	3
4	0B	0B	0B	0B	0 B	5.49	3.26	2.44	1.30	0	0	0	4
5	0B	0B	0B	0B	0.028	5.47	2.97	2.55	1.33	0	0	0	5
6	0B	0B	0B	0B	0.028	5.55	2.75	2.83	1.44	0	0	0	6
7	0B	0B	0B	0B	0.028	5.72	2.61	2.63	1.42	0	0	0	7
8	0B	0B	0B	0B	0.028	5.57	2.55	2.49	1.42	0	0	0	8
9	0B	0B	0B	0B	0.028	5.12	2.46	2.41	1.42	0	0	0	9
10	0B	0B	0B	0B	0.057	5.58	2.38	2.24	1.39	0	0	0	10
11	0B	0B	0B	0B	0.085	5.35	2.27	2.10	1.36	0	0	0	11
12	0B	0B	0B	0B	0.085	5.30	2.12	2.12	1.36	0	0	0	12
13	0B	0B	0B	0B	0.085	4.81	1.98	3.00	1.30	0	0	0	13
14	0B	0B	0B	0B	0.085	4.62	1.90	2.89	1.30	0	0	0	14
15	0B	0B	0B	0B	0.085	5.30	2.07	2.63	0.566	0	0	0	15
16	0B	0B	0B	0B	0.085	5.01	2.58	2.32	0	0	0	0	16
17	0B	0B	0B	0B	0.142	4.79	4.90	2.07	0	0	0	0	17
18	0B	0B	0B	0B	0.283	5.10	5.15	1.93	0	0	0	0	18
19	0B	0B	0B	0B	0.851	5.27	7.85	1.84	0	0	0	0	19
20	0B	0B	0B	0B	1.13	4.28	7.83	1.73	0	0	0	0	20
21	0B	0B	0B	0B	1.61	3.11	6.48	1.67	0	0	0	0	21
22	0B	0B	0B	0B	2.18	3.45	5.47	1.61	0	0	0	0	22
23	0B	0B	0B	0B	2.32	3.43	5.07	1.56	0	0	0	0	23
24	0B	0B	0B	0B	3.00	3.74	4.87	1.50	0	0	0	0	24
25	0B	0B	0B	0B	6.12	3.78	4.45	1.44	0	0	0	0	25
26	0B	0B	0B	0B	13.8	3.45	4.08	1.42	0	0	0	0	26
27	0B	0B	0B	0B	19.6	3.23	3.94	1.30	0	0	0	0	27
28	0B	0B	0B	0B	17.5	3.11	3.68	1.27	0	0	0	0	28
29	0B		0B	0B	13.8	5.04	3.57	1.27	0	0	0	0	29
30	0B		0B	0B	12.4	5.27	3.26	1.33	0	0	0	0	30
31	0B		0B		11.0		3.11	1.39		0		0	31
TOTAL	0	0	0	0	106.343	152.78	117.58	64.17	18.506	0	0	0	TOTAL
MEAN	0	0	0	0	3.43	5.09	3.79	2.07	0.850	0	0	0	MEAN
MAX	0	0	0	0	19.6	9.66	7.83	3.00	1.44	0	0	0	MAX
MIN	0	0	0	0	0	3.11	1.90	1.27	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.26
MAXIMUM DAILY, 19.6 ON MAY 27
MINIMUM DAILY, 0B ON JAN 1

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE -
LOCATION - LAT 51 17 06 N
LONG 115 10 00 W

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	0	JUL	10 200
FEB	0	AUG	5 540
MAR	0	SEP	1 590
APR	0	OCT	0
MAY	9 180	NOV	0
JUN	13 200	DEC	0

TOTAL DISCHARGE, 39 800 dam³

GHOST RIVER NEAR BLACK ROCK MOUNTAIN - STATION NO 05BG002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.510	0.496	14.8	5.64	3.64	1.95	2.83	2.04	---	1
2	---	---	---	0.507	0.496	12.9	5.01	3.31	1.93	2.89	2.04	---	2
3	---	---	---	0.510	0.481	10.1	4.67	3.17	1.90	2.83	2.04	---	3
4	---	---	---	0.510	0.572	8.24	4.11	3.03	1.93	2.89	2.07	---	4
5	---	---	---	0.510	0.572	7.87	3.77	3.17	1.98	3.82	2.07	---	5
6	---	---	---	0.510	0.563	7.87	3.48	3.57	2.12	K.35	2.04	---	6
7	---	---	---	0.510	0.572	8.86	3.37	3.31	2.12	5.44	1.95	---	7
8	---	---	---	0.510	0.583	10.1	3.26	3.17	2.12	4.90	1.87	---	8
9	---	---	---	0.510	0.737	9.09	3.23	3.09	2.12	4.59	1.81	---	9
10	---	---	---	0.510	0.651	8.01	3.11	2.86	2.10	4.11	1.76	---	10
11	---	---	---	0.510	0.682	7.45	2.97	2.72	2.07	3.71	1.70	---	11
12	---	---	---	0.510	0.662	6.60	2.78	2.75	2.04	3.48	1.84	---	12
13	---	---	---	0.510	0.652	5.83	2.63	3.91	1.98	3.37	1.59	---	13
14	---	---	---	0.510	0.685	5.58	2.58	3.77	1.95	3.20	1.56	---	14
15	---	---	---	0.510	0.685	7.14	2.60	3.48	2.10	3.20	1.53	---	15
16	---	---	---	0.510	0.685	6.03	3.48	3.11	2.27	3.20	1.50	---	16
17	---	---	---	0.510	0.711	5.66	8.83	2.80	2.10	3.03	1.47	---	17
18	---	---	---	0.510	0.883	6.14	9.46	2.63	2.04	2.82	1.44	---	18
19	---	---	---	0.510	1.41	6.48	12.J	2.55	1.98	2.75	1.42	---	19
20	---	---	---	0.510	2.04	6.10	12.7	2.44	1.93	2.66	1.39	---	20
21	---	---	---	0.510	2.61	4.39	10.5	2.35	1.83	2.55	1.36	---	21
22	---	---	---	0.510	3.28	4.08	8.64	2.27	1.84	2.49	1.33	---	22
23	---	---	---	0.510	3.48	4.08	7.39	2.21	1.84	2.41	1.30	---	23
24	---	---	---	0.510	4.39	4.53	8.48	2.12	2.52	2.35	1.27	---	24
25	---	---	---	0.510	10.6	4.64	5.66	2.10	3.38	2.24	1.25	---	25
26	---	---	---	0.510	19.5	4.22	5.18	2.04	2.83	2.21	1.22	---	26
27	---	---	---	0.510	26.3	3.94	4.96	1.85	2.66	2.24	1.18	---	27
28	---	---	---	0.510	23.9	3.85	4.59	1.90	2.65	2.21	1.16	---	28
29	---		---	0.510	19.6	8.33	4.42	1.87	2.63	2.12	1.13	---	29
30	---		---	0.510	18.0	7.15	3.89	1.95	2.89	2.07	1.10	---	30
31	---		---		15.4		3.77	2.04		2.04		---	31
TOTAL	---	---	---	15.297	183.448	209.10	165.78	85.18	65.82	95.50	47.24	---	TOTAL
MEAN	---	---	---	0.510	5.27	6.97	5.35	2.75	2.19	3.08	1.57	---	MEAN
MAX	---	---	---	0.510	26.3	14.8	12.7	3.91	3.25	5.44	2.07	---	MAX
M.N	---	---	---	0.507	0.481	3.85	2.58	1.87	1.84	2.04	1.10	---	MIN

SUMMARY FOR THE MONTHS APR TO NOV

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.47
MAXIMUM DAILY, 26.3 ON MAY 27
MINIMUM DAILY, 0.481 ON MAY 3

TYPE OF GAUGE -
LOCATION - LAT 51 18 00 N
LONG 115 11 00 W
DRAINAGE AREA, 211 km²

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	14 300
FEB	---	AUG	7 360
MAR	---	SEP	5 690
APR	1 320	OCT	8 250
MAY	18 100	NOV	4 080
JUN	18 100	DEC	---

TOTAL DISCHARGE, 73 200 dam³

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

NATURAL FLOW

GLENMORE RESERVOIR AT CALGARY - STATION NO 05BJ008

DAILY WATER LEVEL IN METRES FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1075.038	1074.818	1074.508	1074.998	1074.058	1073.778	1075.130	1076.218	1076.688	1076.508	1076.238	1075.388	1
2	1075.028	1074.788	1074.588	1074.988	1073.968	1073.808	1075.090	1076.258	1076.618	1076.498	1076.208	1075.338	2
3	1075.018	1074.788	1074.638	1074.978	1073.898	1073.808	1075.181	1076.278	1076.606	1076.458	1076.198	1075.338	3
4	1074.988	1074.768	1074.708	1074.978	1073.868	1073.808	1075.267	1076.318	1076.488	1076.398	1076.178	1075.338	4
5	1074.868	1074.738	1074.748	1074.978	1073.908	1073.868	1075.358	1076.388	1076.528	1076.358	1076.158	1075.348	5
6	1074.948	1074.708	1074.788	1074.978	1073.998	1073.948	1075.413	1076.418	1076.498	1076.388	1076.138	1075.348	6
7	1074.828	1074.678	1074.788	1074.978	1074.108	1073.938	1075.426	1076.438	1076.498	1076.398	1076.088	1075.348	7
8	1074.848	1074.658	1074.778	1074.978	1074.178	1073.908	1075.450	1076.448	1076.568	1076.408	1075.988	1075.338	8
9	1074.848	1074.628	1074.798	1074.978	1074.288	1073.838	1075.490	1076.468	1076.628	1076.438	1075.888	1075.328	9
10	1074.948	1074.598	1074.808	1074.978	1074.348	1073.928	1075.526	1076.468	1076.608	1076.488	1075.728	1075.318	10
11	1074.858	1074.568	1074.818	1074.978	1074.446	1073.978	1075.541	1076.468	1076.578	1076.528	1075.628	1075.308	11
12	1074.868	1074.538	1074.818	1074.978	1074.508	1074.048	1075.568	1076.468	1076.568	1076.538	1075.498	1075.278	12
13	1074.868	1074.508	1074.828	1074.970	1074.548	1074.088	1075.598	1076.508	1076.558	1076.528	1075.388	1075.248	13
14	1074.878	1074.468	1074.838	1074.948	1074.438	1074.058	1075.627	1076.538	1076.558	1076.538	1075.368	1075.238	14
15	1074.878	1074.408	1074.848	1074.938	1074.128	1074.148	1075.672	1076.498	1076.548	1076.608	1075.348	1075.228	15
16	1074.878	1074.338	1074.858	1074.938	1074.128	1074.278	1075.784	1076.492	1076.648	1076.868	1075.368	1075.228	16
17	1074.878	1074.278	1074.848	1074.888	1074.158	1074.268	1075.765	1076.508	1076.688	1076.896	1075.348	1075.228	17
18	1074.868	1074.218	1074.858	1074.818	1074.158	1074.258	1075.718	1076.488	1076.638	1076.708	1075.348	1075.218	18
19	1074.888	1074.148	1074.858	1074.748	1074.138	1074.248	1075.648	1076.538	1076.608	1076.698	1075.308	1075.208	19
20	1074.948	1074.088	1074.858	1074.688	1074.148	1074.198	1075.563	1076.568	1076.568	1076.668	1075.308	1075.198	20
21	1074.948	1074.018	1074.878	1074.618	1074.118	1074.138	1075.572	1076.598	1076.558	1076.588	1075.388	1075.188	21
22	1074.938	1073.958	1074.908	1074.568	1074.088	1074.068	1075.718	1076.618	1076.588	1076.508	1075.348	1075.188	22
23	1074.918	1073.878	1074.918	1074.528	1073.998	1074.158	1075.770	1076.628	1076.628	1076.398	1075.348	1075.208	23
24	1074.908	1073.838	1074.918	1074.478	1073.958	1074.328	1075.800	1076.648	1076.618	1076.348	1075.388	1075.208	24
25	1074.888	1073.978	1074.918	1074.418	1074.118	1074.538	1075.855	1076.898	1076.598	1076.348	1075.368	1075.178	25
26	1074.878	1074.158	1074.918	1074.338	1074.238	1074.678	1075.892	1076.688	10?6.488	1076.338	1075.338	1075.188	26
27	1074.888	1074.308	1074.938	1074.338	1074.008	1074.858	1075.947	1076.568	1076.418	1076.328	1075.348	1075.188	27
28	1074.858	1074.418	1074.968	1074.258	1074.008	1075.028	1075.974	1076.578	1076.438	1076.328	1075.348	1075.188	28
29	1074.848		1074.978	1074.188	1073.808	1075.258	1076.080	1076.588	1076.488	1076.308	1075.338	1075.188	29
30	1074.838		1074.988	1074.128	1073.858	1075.248	1076.208	1076.658	10?6.508	1076.298	1075.388	1075.208	30
31	1074.828		1074.988		1073.858		1076.227	1076.708		1076.278		1075.188	31
MEAN	1074.941	1074.403	1074.835	1074.752	1074.115	1074.220	1075.645	1076.508	1076.559	1076.470	1075.608	1075.258	MEAN
MAX	1075.038	1074.818	1074.988	1074.998	1074.548	1075.258	1076.227	1076.708	1076.688	1076.708	1075.238	1075.388	MAX
MIN	1074.828	1073.838	1074.508	1074.128	1073.858	1073.778	1075.080	1076.218	1076.408	1076.278	1075.308	1075.178	MIN

SUMMARY FOR THE YEAR 1985

WATER LEVELS IN METRES

MEAN, 1075.283
MAXIMUM DAILY, 1076.708 ON AUG 31
MINIMUM DAILY, 1073.778 ON JUN 1

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 00 00 N
LONG 114 08 00 W
DATA CONTRIBUTED BY -
CITY OF CALGARY WATER WORKS DEPARTMENT

DRAINAGE AREA,
1 220 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM
APPLY -10.839 m ADJUSTMENT TO CONVERT TO CITY OF CALGARY DATUM

GOAT CREEK AT BANFF PARK BOUNDARY - STATION NO 05BC008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.17	1.23	1.21	1.29	1.28	2.21	1.61	1.80	1.39	1.63	1.36	1.27	1
2	1.17	1.23	1.20	1.32	1.32	2.17	1.65	1.78	1.37	1.63	1.37	1.22	2
3	1.16	1.20	1.21	1.32	1.39	2.04	1.67	1.78	1.32	1.59	1.38	1.23	3
4	1.12	1.16	1.22	1.32	1.40	1.92	1.64	1.76	1.30	1.56	1.36	1.19	4
5	1.18	1.19	1.24	1.35	1.42	1.88	1.65	1.84	1.29	1.51	1.34	1.24	5
6	1.18	1.21	1.22	1.37	1.40	1.84	1.63	1.81	1.25	1.50	1.33	1.28	6
7	1.18	1.22	1.27	1.38	1.37	1.82	1.61E	1.80	1.27	1.52	1.33	1.26	7
8	1.19	1.23	1.26	1.42	1.37	1.78	1.61E	1.80	1.26	1.53	1.35	1.24	8
9	1.17	1.21	1.27	1.43	1.36	1.72	1.59E	1.80	1.24	1.51	1.34	1.23	9
10	1.18	1.21	1.27	1.45	1.33	1.71	1.56E	1.80	1.23	1.48	1.32	1.24	10
11	1.16	1.22	1.26	1.39	1.37	1.72	1.59E	1.77	1.33	1.47	1.32	1.24	11
12	1.17	1.228	1.26	1.35	1.38	1.69	1.59E	1.78	1.46	1.48	1.35	1.24	12
13	1.20	1.138	1.27	1.25	1.31	1.66	1.61E	1.81	1.58	1.49	1.34	1.25	13
14	1.21	1.138	1.27	1.16	1.20	1.65	1.61E	1.81	1.58	1.50	1.32	1.24	14
15	1.22	1.168	1.28	1.16	1.18	1.82	1.72	1.78	1.59	1.51	1.33	1.23	15
16	1.21	1.168	1.31	1.15	1.20	1.72	1.73	1.80	1.48	1.50	1.32	1.24	16
17	1.22	1.108	1.32	1.13	1.24	1.89	2.11	1.78	1.58	1.45	1.31	1.25	17
18	1.23	1.088	1.30	1.14	1.24	1.89	1.87	1.79	1.56	1.43	1.30	1.23	18
19	1.23	1.088	1.31	1.17	1.22	1.88	1.81	1.76	1.55	1.46	1.28	1.21	19
20	1.23	1.108	1.31	1.22	1.19	1.80	1.79	1.78	1.52	1.46	1.30	1.23	20
21	1.23	1.108	1.35	1.27	1.44	1.58	1.78	1.71	1.52	1.45	1.31	1.25	21
22	1.24	1.138	1.33	1.33	1.54	1.58	1.77	1.70	1.50	1.47	1.34	1.21	22
23	1.23	1.18	1.33	1.28	1.48	1.56	1.79	1.58	1.49	1.47	1.29	1.20	23
24	1.24	1.22	1.33	1.24	1.45	1.60	1.76	1.46	1.50	1.48	1.27	1.21	24
25	1.23	1.29	1.33	1.25	1.47	1.84	1.78	1.44	1.50	1.46	1.27	1.24	25
26	1.26	1.22	1.32	1.32	1.57	1.81	1.80	1.41	1.64	1.47	1.24	1.24	26
27	1.26	1.21	1.34	1.36	1.82	1.61	1.85	1.40	1.64	1.48	1.26	1.23	27
28	1.25	1.21	1.40	1.37	2.02	1.61	1.83	1.41	1.63	1.47	1.25	1.22	28
29	1.23		1.35	1.36	2.07	1.67	1.86	1.41	1.62	1.41	1.25	1.22	29
30	1.22		1.35	1.30	2.23	1.65	1.83	1.44	1.65	1.38	1.22	1.19	30
31	1.24		1.31		2.27		1.81	1.40		1.37		1.10	31
TOTAL	37.42	33.03	40.00	38.84	45.54	52.12	53.48	52.20	43.94	46.12	39.37	38.09	TOTAL
MEAN	1.21	1.18	1.29	1.29	1.47	1.74	1.73	1.68	1.46	1.49	1.31	1.23	MEAN
MAX	1.26	1.29	1.40	1.45	2.27	2.21	2.11	1.84	1.65	1.63	1.39	1.28	MAX
MIN	1.12	1.08	1.20	1.13	1.18	1.58	1.58	1.40	1.23	1.37	1.22	1.10	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.43
MAXIMUM DAILY, 2.27 ON MAY 31
MINIMUM DAILY, 1.088 ON FEB 18

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 03 30 N
LONG 115 25 50 W
DRAINAGE AREA, 40.9 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1951

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 230	JUL	4 620
FEB	2 850	AUG	4 510
MAR	3 480	SEP	3 800
APR	3 380	OCT	3 980
MAY	3 930	NOV	3 400
JUN	4 500	DEC	3 290

TOTAL DISCHARGE, 44 900 dam³

GOLD CREEK NEAR FRANK - STATION NO 05AA030

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.594A	0.900	2.04	0.783	0.556	0.479	0.611	0.606	---	1
2	---	---	---	0.691	0.897	1.95	0.771	0.550	0.469	0.605	0.592	---	2
3	---	---	---	0.683	0.920	1.83	0.782	0.540	0.472	0.603	0.594	---	3
4	---	---	---	0.695	1.08	1.77	0.774	0.534	0.471	0.589	0.589	---	4
5	---	---	---	0.696	1.15	1.66	0.763	0.529	0.494	0.598	0.589	---	5
6	---	---	---	0.697	1.16	1.53	0.737	0.521	0.478	0.655	0.566	---	6
7	---	---	---	0.705	1.14	1.44	0.719	0.505	0.473	0.771	0.5478	---	7
8	---	---	---	0.746	1.12	1.60	0.726	0.505	0.483	0.822	0.4468	---	8
9	---	---	---	0.843	1.15	1.32	0.722	0.509	0.491	0.825	0.4768	---	9
10	---	---	---	0.897	1.16	1.24	0.709	0.495	0.485	0.810	0.5008	---	10
11	---	---	---	0.904	1.14	1.19	0.704	0.491	0.492	0.778	0.4968	---	11
12	---	---	---	0.8578	1.11	1.17	0.695	0.489	0.496	0.747	0.5118	---	12
13	---	---	---	0.8318	1.10	1.15	0.681	0.486	0.500	0.722	0.5458	---	13
14	---	---	---	0.8448	1.08	1.12	0.669	0.478	0.499	0.704	0.5178	---	14
15	---	---	---	0.847	1.08	1.10	0.663	0.473	0.506	0.693	0.4448	---	15
16	---	---	---	0.839	1.02	1.06	0.680	0.473	0.493	0.691	0.4468	---	16
17	---	---	---	0.832	1.02	1.03	0.677	0.472	0.497	0.681	0.4388	---	17
18	---	---	---	0.810	1.04	1.01	0.647	0.464	0.558	0.679	0.4818	---	18
19	---	---	---	0.798	1.23	0.970	0.658	0.469	0.540	0.673	0.4868	---	19
20	---	---	---	0.798	1.80	0.954	0.651	0.467	0.541	0.666	0.5588	---	20
21	---	---	---	0.840	2.70	0.928	0.643	0.462	0.529	0.653	0.5458	---	21
22	---	---	---	1.08	2.95	0.913	0.634	0.463	0.519	0.642	0.5198	---	22
23	---	---	---	1.25	2.28	0.883	0.636	0.462	0.524	0.637	0.5158	---	23
24	---	---	---	1.15	1.94	0.867	0.628	0.466	0.543	0.626	0.5808	---	24
25	---	---	---	1.07	1.91	0.866	0.628	0.465	0.617	0.608	0.5318	---	25
26	---	---	---	1.04	2.32	0.843	0.617	0.484	0.658	0.618	0.5158	---	26
27	---	---	---	1.02	2.76	0.825	0.607	0.456	0.631	0.633	0.5008	---	27
28	---	---	---	1.00	2.82	0.820	0.598	0.452	0.607	0.639	0.4958	---	28
29	---		---	0.948	2.59	0.840	0.591	0.449	0.593	0.632	0.4908	---	29
30	---		---	0.924	2.35	0.803	0.576	0.481	0.601	0.642	0.4808	---	30
31	---		---		2.18		0.565	0.488		0.620		---	31
TOTAL	---	---	---	26.029	49.087	35.520	20.836	15.116	15.739	20.874	15.595	---	TOTAL
MEAN	---	---	---	0.868	1.58	1.18	0.675	0.488	0.525	0.673	0.520	---	MEAN
MAX	---	---	---	1.25	2.95	2.04	0.783	0.556	0.658	0.825	0.606	---	MAX
MIN	---	---	---	0.683	0.897	0.803	0.565	0.448	0.469	0.589	0.436	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.815
MAXIMUM DAILY, 2.95 ON MAY 22
MINIMUM DAILY, 0.4388 ON NOV 17
MAXIMUM INSTANTANEOUS,
3.21 AT 04:15 MST ON MAY 22

SUMMARY FOR THE MONTHS APR TO NOV

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 36 08 N
LONG 114 24 00 W
DRAINAGE AREA, 82.9 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 810
FEB	---	AUG	1 310
MAR	---	SEP	1 350
APR	2 250	OCT	1 800
MAY	4 240	NOV	1 350
JUN	3 070	DEC	---

TOTAL DISCHARGE, 17 200 dam³

GRANDE PRAIRIE CREEK NEAR SEXSMITH - STATION NO. 07GE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.9308	0.695	0.287	0	0	0	0.002	---	---	1
2	---	---	0 B	1.33 B	0.755	0.266	0	0	0	0.001	---	---	2
3	---	---	0 B	1.74 B	0.995	0.211	0	0	0	0.001	---	---	3
4	---	---	0 B	3.24 B	2.09	0.155	0	0	0	0.003	---	---	4
5	---	---	0 B	4.18 B	4.62	0.123	0	0	0	0.002	---	---	5
6	---	---	0 B	3.86 B	5.71	0.092	0	0	0	0.001	---	---	6
7	---	---	0 B	3.60 B	4.92	0.066	0	0	0	0.001	---	---	7
8	---	---	0 B	3.04 B	3.87	0.055	0	0	0	0.001	---	---	8
9	---	---	0 B	2.50 B	2.62	0.038	0	0	0	0.001	---	---	9
10	---	---	0 B	1.50 B	2.20	0.023	0	0	0	0.001	---	---	10
11	---	---	0 B	0.8498	1.90	0.021	0	0	0	0	---	---	11
12	---	---	0 B	0.6038	1.51	0.025	0	0	0	0	---	---	12
13	---	---	0 B	0.4028	1.41	0.020	0	0	0	0	---	---	13
14	---	---	0 B	0.2598	1.64	0.014	0	0	0	0	---	---	14
15	---	---	0 B	0.2878	1.78	0.016	0	0	0	0	---	---	15
16	---	---	0 B	0.405	2.45	0.011	0.002E	0	0	0	---	---	16
17	---	OB	0 0018	1.27	2.80	0.008	0.010E	0	0	0	---	---	17
18	---	OB	0 0028	1.43	2.89	0.007	0.008E	0	0	0	---	---	18
19	---	OB	0 0018	1.41	2.23	0.004	0.003E	0	0	0	---	---	19
20	---	OB	0 0028	1.68	1.82	0.004	0.002E	0	0	0	---	---	20
21	---	OB	0 0048	2.16	1.53	0.003	0.002E	0	0	0	---	---	21
22	---	OB	0 0028	1.83	1.28	0.003	0.001E	0	0	0	---	---	22
23	---	OB	0 0028	1.54	1.12	0.003A	0.001E	0	0	0	---	---	23
24	---	OB	0 0048	1.19	0.966	0.002E	0.002E	0	0	0	---	---	24
25	---	OB	0 0048	0.983	0.863	0.001E	0.008E	0	0	0	---	---	25
26	---	OB	0 0058	0.831	0.793	0.001E	0.010E	0	0	0	---	---	26
27	---	OB	0 0058	0.746	0.683	0.001E	0.005E	0	0	0	---	---	27
28	---	OB	0 0198	0.678	0.604	0.001E	0.001A	0	0	0	---	---	28
29	---		0 2708	0.818	0.508	0		0	0	0	---	---	29
30	---		0 6308	0.718	0.426	0	0	0	0 002	0	---	---	30
31	---		1.05 B		0.349		0			0		---	31
TOTAL	---	---	2.001	45.388	58.028	1.461	0.051	0	0.002	0.014	---	---	TOTAL
MEAN	---	---	0 065	1.55	1.87	0.049	0.002	0	0	0	---	---	MEAN
MAX	---	---	1 05	4.18	5.71	0.287	0.010	0	0 002	0.003	---	---	MAX
MIN	---	---	0	0.259	0.349	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.441
MAXIMUM DAILY, 5.71 ON MAY 6
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
5.78 AT 08 30 MST ON MAY 6

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 22 28 N
LONG 118 54 50 W
DRAINAGE AREA, 152 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	4 41
FEB	---	AUG	0
MAR	173	SEP	0 17
APR	4 010	OCT	1 21
MAY	5 010	NOV	---
JUN	126	DEC	---

TOTAL DISCHARGE, 9 320 dam³

GREASEWOOD RESERVOIR NEAR ELKWATER - STATION NO. 11AB092

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	29.737	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	29.885	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	28.108	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	29.815	29.737E	29.860	29.910E	29.865E	29.560E	27.594E	28.580E	---	---	6
7	---	---	---	29.737	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	30.077	---	---	29.927	29.848	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	29.155	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	30.055E	29.756E	29.870E	29.920E	29.850E	28.530E	27.674E	29.180E	---	---	16
17	---	---	30.048	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	28.330	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	29.853	---	---	---	---	---	22
23	---	---	---	---	---	---	29.848	---	27.727	---	---	---	23
24	---	28.285E	---	---	---	29.903	---	---	27.733	---	---	---	24
25	---	28.295	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	29.780E	---	29.898E	---	27.507	27.892E	---	---	---	26
27	---	---	29.845E	---	29.880E	---	29.840E	27.514E	---	29.198E	---	---	27
28	---	28.740E	---	29.785	---	---	---	---	---	29.202	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	29.800E	---	29.855E	---	---	28.160E	---	---	---	30
31	---		29.765E		29.883E		29.725E	27.545E		29.214E		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 30.077 ON MAR 10
MINIMUM DAILY, 27.507 ON AUG 26

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 28 54 N
LONG 110 23 58 W

E - ESTIMATED

REGULATED

DRAINAGE AREA,
9.32 km²

GREGG RIVER NEAR THE MOUTH - STATION NO. 07AF015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.680B	1.15 B	1.45	12.5	5.65	7.30	2.44	5.44	2.87	---	1
2	---	---	0.670B	1.00 B	1.37	11.1	4.95	6.78	2.39	5.21	3.00	---	2
3	---	---	0.660B	0.865B	1.55	9.57	4.52	6.39	2.92	5.03	2.82	---	3
4	---	---	0.630B	0.930B	2.74	8.58	4.31	6.50	3.77	7.36	2.75	---	4
5	---	---	0.570B	0.974B	3.74	8.07	5.93	5.98	4.87	11.1	2.68A	---	5
6	---	---	0.555B	1.03 B	5.20	7.95	7.04	5.64	3.93	17.0	---	---	6
7	---	---	0.560B	1.10 B	5.21	7.68	8.12	5.22	3.49	16.1	---	---	7
8	---	---	0.600B	1.30 B	4.74	7.08	8.27	4.99	3.27	15.0	---	---	8
9	---	---	0.680B	1.58 B	4.37	6.55	8.48	4.73	3.12	11.9	---	---	9
10	---	---	0.780B	1.37 B	4.15	6.17	8.81	4.46	3.14	10.0	---	---	10
11	---	---	0.880B	1.34 B	4.07	6.98	7.85	4.26	3.84	8.65	---	---	11
12	---	---	0.850B	1.81 B	3.69	6.41	7.24	4.23	3.81	7.59	---	---	12
13	---	---	0.830B	1.60 B	3.54	5.75	6.64	4.10	3.64	6.77	---	---	13
14	---	---	0.810B	1.17 B	3.28	5.46	6.10	3.88	3.50	6.19	---	---	14
15	---	---	0.805B	1.24 B	3.01	6.06	6.17	3.64	3.50	5.78	---	---	15
16	---	---	0.803B	1.01	3.09	5.75	23.0	3.49	3.53	5.37	---	---	16
17	---	---	0.701B	1.02	4.12	5.27	55.1	3.33	3.57	5.08	---	---	17
18	---	---	0.700B	1.09	5.06	5.13	93.6	3.17	3.46	4.82	---	---	18
19	---	---	0.825B	1.08 A	5.46	5.58	54.4	3.71	3.30	4.57	---	---	19
20	---	---	0.880B	2.00 E	6.19	5.22	34.5	3.49	3.18	4.38	---	---	20
21	---	---	0.830B	3.07 E	6.79	4.68	25.8	3.24	3.07	4.17	---	---	21
22	---	---	0.780B	2.72 E	5.95	4.37	21.6	3.09	2.95	3.98	---	---	22
23	---	---	0.740B	2.34 E	6.22	4.22	21.2	3.02	2.94	3.79	---	---	23
24	---	---	0.800B	1.81 A	6.59	4.13	20.6	2.97	3.00	3.64	---	---	24
25	---	---	0.850B	1.72	7.32	4.03	17.6	2.88	3.58	3.54	---	---	25
26	---	---	0.933A	1.59	11.6	3.83	15.1	2.85	5.60	3.46	---	---	26
27	---	0.516B	0.844	1.55	17.6	3.67	13.1	2.72	5.04	3.60	---	---	27
28	---	0.570B	1.00	1.63	18.6	3.58	11.4	2.62	4.74	3.49	---	---	28
29	---		1.11 B	1.59	18.5	3.85	10.6	2.58	4.86	3.30	---	---	29
30	---		1.29 B	1.52	15.5	6.39	9.49	2.57	5.44	3.18	---	---	30
31	---		1.72 B		14.0		8.25	2.50		2.80		---	31
TOTAL	---	---	25.376	44.099	201.09	185.61	535.42	126.43	109.59	202.27	---	---	TOTAL
MEAN	---	---	0.819	1.47	6.49	6.19	17.3	4.08	3.65	6.52	---	---	MEAN
MAX	---	---	1.72	3.07	17.6	12.5	93.6	7.30	5.60	17.0	---	---	MAX
MIN	---	---	0.555	0.865	1.37	3.58	4.31	2.50	2.39	2.80	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.84
MAXIMUM DAILY, 93.6 ON JUL 18
MINIMUM DAILY, 0.555B ON MAR 6
MAXIMUM INSTANTANEOUS,
107 AT 03 15 MST ON JUL 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 15 07 N
LONG 117 21 23 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	46 300
FEB	---	AUG	10 900
MAR	2 190	SEP	9 470
APR	3 810	OCT	17 500
MAY	17 400	NOV	---
JUN	16 000	DEC	---

TOTAL DISCHARGE, 124 000 dam³

GREGOIRE LAKE NEAR FORT MCMURRAY - STATION NO. 07CE001

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	475.254E	475.239	475.304	475.438	475.362	475.527	475.451	475.352	---	---	1
2	---	---	475.254E	475.238	475.304	475.448	475.367	475.523	475.459	475.343	---	---	2
3	---	---	475.254A	475.234	475.316	475.429	475.369	475.515E	475.459	475.344	---	---	3
4	---	---	475.249	475.232	475.328	475.421	475.393	475.510E	475.441	475.343	---	---	4
5	---	---	475.245	475.237	475.338	475.420	475.410	475.505E	475.434	475.339	---	---	5
6	---	---	475.247	475.238	475.347	475.419	475.420	475.500E	475.429	475.347	---	---	6
7	---	---	475.249	475.237	475.353	475.411	475.432	475.583E	475.423	475.352	---	---	7
8	---	---	475.246	475.234	475.380	475.409	475.441	475.587E	475.419	475.346	---	---	8
9	---	---	475.251	475.238	475.388	475.408	475.448	475.583E	475.416	475.373	---	---	9
10	---	---	475.253	475.238	475.380	475.403	475.450	475.577E	475.412	475.361	---	---	10
11	---	---	475.246	475.239	475.389	475.396	475.459	475.572E	475.409	475.342	---	---	11
12	---	---	475.248	475.241	475.395	475.387	475.470	475.566E	475.400	475.344	---	---	12
13	---	---	475.247	475.240	475.400	475.388	475.474	475.560E	475.394	475.343	---	---	13
14	---	---	475.248	475.239	475.409	475.383	475.481	475.555E	475.385	475.344	---	---	14
15	---	---	475.249	475.235	476.416	475.373	475.482	475.550E	475.381	475.343	---	---	15
16	---	---	475.249	475.236	476.411	475.387	475.482	475.543E	475.382	475.339	---	---	16
17	---	---	475.248	475.240	475.407	475.385	475.492	475.537E	475.383	475.340	---	---	17
18	---	---	475.246	475.256	476.414	475.381	475.532	475.532E	475.376	475.336	---	---	18
19	---	---	475.246	475.259	475.413	475.386	475.569	475.526E	475.373	475.336	---	---	19
20	---	---	475.246	475.259	475.412	475.388	475.585	475.519E	475.370	475.332	---	---	20
21	---	---	475.248	475.267	475.418	475.379	475.598	475.515E	475.369	475.331	---	---	21
22	---	---	475.251	475.267	475.426	475.376	475.619	475.508E	475.370	475.331	---	---	22
23	---	---	475.245	475.272	475.431	475.373	475.624	475.503E	475.359	475.328	---	---	23
24	---	---	475.244	475.273	475.435	475.376	475.622	475.498E	475.345	475.327	---	---	24
25	---	---	475.242	475.274	476.440	475.372	475.623	475.490A	475.347	475.326	---	---	25
26	---	---	475.242	475.277	476.443	475.372	475.620	475.483	475.347	475.327	---	---	26
27	---	---	475.243	475.279	475.448	475.368	475.614	475.479	475.350	475.341	---	---	27
28	---	---	475.242	475.284	475.445	475.381	475.613	475.478	475.365	475.327	---	---	28
29	---		475.243	475.286	475.446	475.383	475.622	475.475	475.356	475.315	---	---	29
30	---		475.241	475.304	475.441	475.383	475.625	475.477	475.356	475.270A	---	---	30
31	---		475.241		475.445		475.627	475.461		475.270E		---	31
MEAN	---	---	475.247	475.253	475.396	475.389	475.513	475.543	475.392	475.335	---	---	MEAN
MAX	---	---	475.255	475.304	475.448	475.448	475.627	475.627	475.459	475.373	---	---	MAX
MIN	---	---	475.241	475.232	475.304	475.381	475.362	475.461	475.345	475.270	---	---	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MAXIMUM DAILY, 475.627 ON JUL 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 28 30 N
LONG 111 05 10 W

A - MANUAL GAUGE
E - ESTIMATED

REGULATED SINCE 1978

DRAINAGE AREA,
283 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

GROAT CREEK NEAR WHITECOURT - STATION NO. 07AG008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0028	0.2488	1.48	1.19	---	0.749	0.220	0.677	0.302	---	1
2	---	---	0.0028	0.3339	1.38	0.936	---	0.620	0.226	0.811	0.336	---	2
3	---	---	0.0078	0.3188	4.59	0.803	---	0.535	0.230	0.730	0.342	---	3
4	---	---	0.0028	0.3658	4.83	0.703	---	0.520	0.233	1.19	0.333	---	4
5	---	---	0.0028	0.9088	3.85	0.665A	---	0.470	0.239	1.02	0.316A	---	5
6	---	---	0.0028	1.15 B	3.35	---	---	0.376	0.239	0.698	---	---	6
7	---	---	0.0028	1.97 B	2.86	---	---	0.357	0.240	0.531	---	---	7
8	---	---	0.0028	2.41 B	2.64	---	0.565A	0.346	0.242	0.513	---	---	8
9	---	---	0.0028	2.36 B	2.46	---	0.600A	0.336	0.245	0.461	---	---	9
10	---	---	0.0028	0.7858	2.32	---	---	0.335	0.249	0.422	---	---	10
11	---	---	0.0028	0.7108	2.46	---	---	0.336	0.270	0.407	---	---	11
12	---	---	0.0028	0.6608	2.21	---	---	0.343	0.278	0.392	---	---	12
13	---	---	0.0028	0.6208	2.06	---	---	0.331	0.273	0.382	---	---	13
14	---	---	0.0028	0.5908	1.58	---	---	0.306	0.275	0.374	---	---	14
15	---	---	0.0028	0.5648	1.80	---	---	0.293	0.274	0.374	---	---	15
16	---	---	0.0028	0.5478	2.92	---	---	0.283	0.276	0.363	---	---	16
17	---	---	0.0108	1.75 B	2.42	---	---	0.277	0.281	0.356	---	---	17
18	---	---	0.0158	3.47 B	2.42	---	---	0.271	0.280	0.347	---	---	18
19	---	---	0.0208	5.11 B	2.26	---	---	0.264	0.281	0.343	---	---	19
20	---	---	0.0308	12.2	2.13	---	4.75 A	0.258	0.282	0.341	---	---	20
21	---	---	0.0408	8.47	3.12	---	3.58 E	0.252	0.285	0.337	---	---	21
22	---	---	0.0408	3.99	5.26	---	2.40 A	0.244	0.289	0.331	---	---	22
23	---	---	0.0308	1.98	8.00	---	1.91	0.238	0.292	0.329	---	---	23
24	---	---	0.0258	1.69	4.55	---	1.68	0.232	0.294	0.324	---	---	24
25	---	---	0.0258	2.19	3.53	---	1.38	0.228	0.309	0.326	---	---	25
26	---	---	0.2838	3.71	3.10	---	1.12	0.220	0.434	0.320	---	---	26
27	---	---	0.3608	6.48	2.72	---	1.42	0.214	0.546	0.366	---	---	27
28	---	---	0.4008	5.56	2.31	---	1.34	0.211	0.379	0.323	---	---	28
29	---		0.4408	4.41	1.95	---	1.22	0.213	0.375	0.319	---	---	29
30	---		0.4438	2.97	1.70	---	1.02	0.215	0.375	0.308	---	---	30
31	---		0.3508		1.39		0.912	0.217		0.295		---	31
TOTAL	---	---	2.543	75.520	95.09	---	---	10.090	8.711	14.308	---	---	TOTAL
MEAN	---	---	0.082	2.85	3.07	---	---	0.325	0.290	0.462	---	---	MEAN
MAX	---	---	0.443	12.2	8.26	---	---	0.749	0.546	1.19	---	---	MAX
MIN	---	---	0.002	0.249	1.29	---	---	0.211	0.220	0.295	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MINIMUM DAILY, 0.0028 ON MAR 1
MAXIMUM INSTANTANEOUS,
64.0 ON JUL 19

TYPE OF GAUGE - RELORDING
LOCATION - LAT 54 01 57 N
LONG 115 50 30 W
DRAINAGE AREA, 134 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	672
MAR	220	SEP	753
APR	870	OCT	1 240
MAY	220	NOV	---
JUN	---	DEC	---

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS DERIVED FROM HIGH WATER MARKS TIME UNKNOWN

CROS VENTRE CREEK NEAR DUNMORE - STATION NO. 05AH037

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0.0028	0.827	0.030	0.005	0.028	0.003	0	0	0.133	0.049	---	1
2	---	0.0018	0.685	0.028	0.004	0.016	0.002	0	0	0.117	0.053	---	2
3	---	0 B	0.379	0.027	0.003	0.008	0.002	0	0	0.126	0.065	---	3
4	---	0 B	0.281	0.025	0.004	0.005	0.001	0	0	0.119	0.078	---	4
5	---	0 B	0.250	0.023	0.028	0.004	0.002	0	0	0.101	0.094	---	5
6	---	0 B	0.144	0.020	0.104	0.004	0.002	0	0	0.089	0.108A	---	6
7	---	0 B	0.089	0.016	0.119	0.004	0.002	0	0	0.081	---	---	7
8	---	0 B	0.111	0.012	0.088	0.004	0.001	0	0	0.073	---	---	8
9	---	0 B	0.100	0.000	0.080	0.004	0.002	0	0	0.070	---	---	9
10	---	0 B	0.105	0.007	0.078	0.003	0.002	0	0	0.076	---	---	10
11	---	0 B	0.095	0.006	0.073	0.002	0.002	0	0	0.075	---	---	11
12	---	0 B	0.073	0.004	0.068	0.002	0.002	0	0	0.073	---	---	12
13	0.0198	0 B	0.061	0.004	0.060	0.010	0.001	0	0	0.072	---	---	13
14	---	0 B	0.053	0.003	0.057	0.007	0.001	0	0	0.073	---	---	14
15	---	0 B	0.046	0.003	0.061	0.006	0.001	0	0	0.067	---	---	15
16	0.0018	0 B	0.042	0.008	0.094	0.004	0.001	0	0	0.061	---	---	16
17	---	0 B	0.039	0.011	0.173	0.003	0.002	0	0	0.058	---	---	17
18	---	0 B	0.038	0.009	0.813	0.003	0.001	0	0	0.054	---	---	18
19	---	0 B	0.036	0.008	1.27	0.002	0.001	0	0	0.052	---	---	19
20	---	0 B	0.035	0.008	1.05	0.002	0.001	0	0	0.049	---	---	20
21	---	0 B	0.035	0.005	0.744	0.002	0.001	0	0	0.049	---	---	21
22	---	0 B	0.037	0.005	0.550	0.002	0	0	0	0.045	---	---	22
23	---	0 B	0.037	0.006	0.953	0.002	0	0	0	0.045	---	---	23
24	---	0 B	0.039	0.019	0.780	0.002	0	0	0	0.045	---	---	24
25	---	2.30	0.040	0.030	0.411	0.002	0	0	0.785	0.044	---	---	25
26	---	3.63	0.038	0.027	0.169	0.002	0	0	5.04	0.037	---	---	26
27	---	1.46	0.034	0.023	0.113	0.002	0	0	1.60	0.039	---	---	27
28	---	1.07	0.031	0.018	0.090	0.001	0	0	0.598	0.037	---	---	28
29	0 B		0.029	0.013	0.072	0.003	0	0	0.261	0.035	---	---	29
30	0 B		0.029	0.009	0.057	0.003	0	0	0.152	0.040	---	---	30
31	0.0018		0.030		0.042		0	0		0.047		---	31
TOTAL	---	8.483	3.969	0.417	8.354	0.142	0.033	0	8.416	2.082	---	---	TOTAL
MEAN	---	0.303	0.128	0.014	0.269	0.005	0.001	0	0.281	0.067	---	---	MEAN
MAX	---	3.63	0.827	0.030	1.27	0.028	0.003	0	5.04	0.133	---	---	MAX
MIN	---	0	0.029	0.003	0.003	0.001	0	0	0	0.035	---	---	MIN

SUMMARY FOR THE MONTHS FEB TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.117
MAXIMUM DAILY, 5.04 ON SEP 26
MINIMUM DAILY, 0.0 ON FEB 3
MAXIMUM INSTANTANEOUS,
7.00 AT 05 03 MST ON SEP 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 20 N
LONG 110 30 20 W
DRAINAGE AREA, 215 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3.85
FEB	733	AUG	0
MAR	343	SEP	727
APR	36.0	OCT	180
MAY	722	NOV	---
JUN	12.3	DEC	---

TOTAL DISCHARGE, 2 780 dam³

GULL LAKE AT ASPEN BEACH - STATION NO. 05CC005

DAILY WATER LEVEL IN METRES FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	899.196	899.102	899.182	---	---	---	---	1
2	---	---	---	899.022	899.082	899.208	---	899.178	---	---	---	---	2
3	---	---	---	---	---	899.185	---	899.178	---	---	---	---	3
4	---	---	---	---	---	---	899.102	899.178	---	---	---	---	4
5	---	---	---	---	---	---	899.121	899.178	---	---	898.060	---	5
6	---	---	---	---	899.064	899.195	899.101	---	---	898.083	---	---	6
7	---	---	---	---	---	899.180	899.116	---	---	---	---	---	7
8	---	---	898.993	---	899.015	899.180	899.116	899.190	---	898.080	---	---	8
9	---	---	---	---	899.025	899.165	---	899.187	---	---	---	---	9
10	---	---	---	---	---	899.165	---	899.187	---	898.080	---	---	10
11	---	---	---	---	---	---	899.136	899.182	899.083	---	---	---	11
12	---	---	899.004	---	---	---	899.136	899.182	---	---	---	---	12
13	---	---	---	---	---	899.144	899.135	---	---	---	---	---	13
14	---	---	---	---	---	899.144	---	---	---	899.080	---	---	14
15	---	---	---	---	---	899.144	899.120	899.151	---	---	---	---	15
16	---	---	---	---	899.171	899.134	---	899.134	899.032	899.075	---	---	16
17	---	---	---	---	899.178	899.142	---	899.131	---	---	---	---	17
18	---	---	---	---	---	---	899.175	899.131	---	---	---	---	18
19	---	---	---	---	---	---	899.190	899.131	899.032	---	---	---	19
20	---	---	---	---	---	899.138	899.190	---	---	---	---	---	20
21	---	---	---	---	---	899.133	899.185	---	899.032	---	---	---	21
22	---	---	---	899.062	899.197	---	899.180	899.106	---	---	---	---	22
23	---	---	---	---	---	899.122	---	899.105	899.032	---	---	---	23
24	---	---	---	---	899.187	899.128	---	899.105	---	---	---	---	24
25	---	---	---	---	---	---	899.188	899.100	---	---	---	---	25
26	---	---	---	---	---	---	899.198	899.100	---	---	---	---	26
27	---	---	899.032	---	---	---	899.127	899.188	---	899.060	---	---	27
28	---	---	---	---	---	899.127	899.188	---	899.041	---	---	---	28
29	---	---	---	---	---	899.117	899.198	---	---	---	---	---	29
30	---	---	---	---	899.181	899.122	899.188	899.085	---	899.055	---	---	30
31	---	---	---	---	---	899.112	---	899.075	---	---	---	---	31
					899.186		---	---		---		---	
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 27 28 N
LONG 113 58 03 W

NATURAL FLOW

DRAINAGE AREA, 283 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

HAMMER HILL SPILLWAY NEAR GLEICHEN - STATION NO. 05BM005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.004	0.412	0.251	0.767	0.865	1.21	0.023E	0.040E	1
2	---	---	---	---	0	0.368	0.349	0.743	0.858	1.22	0.022E	0.030E	2
3	---	---	---	---	0.001	0.318	0.401	0.730	1.02	1.22	0.022E	0.025E	3
4	---	---	---	---	0.010	0.291	0.367	0.732	1.02	1.21	0.021E	0.020E	4
5	---	---	---	---	0.031	0.288	0.496	0.703	1.04	1.21	0.020E	0.016E	5
6	---	---	---	---	0.044	0.293	0.416	0.709	1.03	1.71	0.018E	0.012E	6
7	---	---	---	---	0.042	0.312	0.418	0.675	1.02	1.20	0.115A	0.010E	7
8	---	---	---	---	0.030	0.320	0.449	0.657	1.02	1.20	0.340	0.008E	8
9	---	---	---	---	0.025	0.316	0.518	0.656	1.02	1.19	0.331	0.006E	9
10	---	---	---	---	0.033	0.383	0.566	0.599	1.03	1.22	0.329	0.004E	10
11	---	---	---	---	0.029	0.321	0.522	0.603	1.07	1.19	0.326	0.003E	11
12	---	---	---	---	0.041	0.084	0.536	0.608	1.05	1.17	0.323	0.002E	12
13	---	---	---	---	0.124	0.074	0.553	0.662	1.03	1.16	0.320	0.001E	13
14	---	---	---	---	0.578	0.059	0.545	0.681	1.03	1.15	0.308	0 E	14
15	---	---	---	---	0.508	0.059	0.588	0.653	1.02	1.13	0.301	0 E	15
16	---	---	---	---	0.337	0.067	0.591	0.618	1.02	1.12	0.290	0 E	16
17	---	---	---	---	0.333	0.068	0.778	0.612	1.08	1.11	0.281	0 E	17
18	---	---	---	---	0.341	0.085	0.837	0.636	1.07	1.10	0.278	0 E	18
19	---	---	---	---	0.343	0.145	0.744	0.694	1.05	1.09	0.276	0 E	19
20	---	---	---	---	0.372	0.119	0.783	0.662	1.05	1.07	0.269	0 E	20
21	---	---	---	---	0.317	0.127	0.780	0.651	1.04	1.06	0.235	0 E	21
22	---	---	---	---	0.238	0.118	0.780	0.647	1.04	1.04	0.228	0 E	22
23	---	---	---	---	0.170	0.102	0.789	0.677	1.03	1.02	0.221	0 E	23
24	---	---	---	0.020A	0.147	0.097	0.715	0.680	0.941	1.01	0.201	0 E	24
25	---	---	---	0.012	0.138	0.102	0.881	0.816	1.28	1.01	0.176	0 E	25
26	---	---	---	0.003	0.155	0.101	0.702	1.00	1.38	0.995	0.155	0 E	26
27	---	---	---	0.003	0.144	0.089	0.786	0.989	1.23	0.876	0.120E	0 E	27
28	---	---	---	0.012	0.157	0.095	0.784	1.00	1.23	0.258A	0.100E	0 E	28
29	---		---	0.009	0.157	0.129	0.801	0.979	1.22	0.028A	0.080E	0 E	29
30	---		---	0.008	0.229	0.228	0.808	0.985	1.23	0.026E	0.060E	0 E	30
31	---		---		0.437		0.787	0.981		0.024E		0 E	31
TOTAL	---	---	---	---	5.815	5.581	19.023	22.818	32.264	30.728	5.790	0.177	TOTAL
MEAN	---	---	---	---	0.188	0.186	0.614	0.736	1.08	0.991	0.193	0.005	MEAN
MAX	---	---	---	---	0.578	0.412	0.837	1.00	1.38	1.22	0.340	0.040	MAX
MIN	---	---	---	---	0	0.059	0.251	0.599	0.858	0.024	0.018	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.632
MAXIMUM DAILY, 1.38 ON SEP 26
MINIMUM DAILY, 0 ON MAY 2

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 51 20 N
LONG 113 08 00 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 640
FEB	---	AUG	1 970
MAR	---	SEP	2 790
APR	---	OCT	2 650
MAY	502	NOV	500
JUN	482	DEC	15.3

TOTAL DISCHARGE, 10 000 dam³

MANGINGSTONE RIVER AT FORT MCMURRAY - STATION NO. 07CD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1400	0.1150	0.1300	0.7300	2.58	4.85	7.90E	19.0	1.60	1.44	0.7800	0.4850	1
2	0.1300	0.1200	0.1400	0.7150	2.94	4.60	7.45E	15.7	1.54	1.45	0.7420	0.4800	2
3	0.1200	0.1200	0.1500	0.7400	4.41	4.06	7.00E	12.6	1.52	1.46	0.7070	0.4770	3
4	0.1150	0.1200	0.1600	0.7050	6.700	3.82	7.40E	11.7	1.50	1.47	0.6958	0.4730	4
5	0.1050	0.1200	0.1700	0.8800	9.008	3.41	8.40E	9.80	1.47	1.47	0.6758	0.4700	5
6	0.1000	0.1200	0.1850	1.00 B	10.6 B	3.01	10.0 E	7.99	1.44	1.73	0.6608	0.4688	6
7	0.0999	0.1150	0.1958	1.07 B	13.0 B	2.81	12.0 E	6.72	1.43	1.77	0.6458	0.4650	7
8	0.0978	0.1100	0.2028	1.12 B	13.5 B	2.71	14.0 E	6.22	1.40	1.99	0.6308	0.4648	8
9	0.0958	0.1050	0.2408	1.17 B	13.1	2.64	13.3 E	6.42	1.37	1.93	0.6208	0.4628	9
10	0.0939	0.1000	0.2548	1.20 B	9.44	2.62	12.7 E	6.12	1.34	1.84	0.6108	0.4600	10
11	0.0908	0.0950	0.2808	1.25 B	6.50	2.43	12.2 E	5.75	1.31	1.84	0.6058	0.4568	11
12	0.0908	0.0900	0.3108	1.30 B	6.18	2.32	11.7 E	5.13	1.26	1.83	0.6008	0.4528	12
13	0.0858	0.0850	0.3358	1.36 B	5.82	2.19	11.3 E	4.56	1.24	1.78	0.5908	0.4488	13
14	0.0858	0.0800	0.3608	1.40 B	5.47	2.15	11.0 E	4.01	1.24	1.76	0.5808	0.4448	14
15	0.0858	0.0750	0.3758	1.80 B	5.15	2.03	10.6 E	3.44	1.23	1.72	0.5708	0.4408	15
16	0.0808	0.0720	0.3788	1.75 B	4.86	1.91	10.3 E	3.53	1.21	1.72	0.5608	0.4388	16
17	0.0808	0.0670	0.3808	1.55 B	4.23	1.87	10.0 E	3.05	1.23	1.89	0.5558	0.4368	17
18	0.0808	0.0630	0.3858	1.50 B	4.05	1.79	11.0 E	2.89	1.23	1.86	0.5508	0.4348	18
19	0.0808	0.0600	0.3958	1.50 B	3.99	2.01	15.0 E	2.83	1.23	1.84	0.5458	0.4328	19
20	0.0808	0.0600	0.4008	1.55 B	3.83	2.05	19.0 E	2.68	1.24	1.82	0.5408	0.4308	20
21	0.0808	0.0600	0.4108	1.73	3.81	2.58A	18.7 E	2.52	1.24	1.80	0.5358	0.4288	21
22	0.0808	0.0600	0.4208	2.26	4.28	4.30E	18.4 E	2.37	1.27	1.99	0.5308	0.4268	22
23	0.0808	0.0650	0.4258	2.83	6.28	6.60E	17.0 E	2.24	1.17	1.98	0.5258	0.4248	23
24	0.0830	0.0700	0.4508	2.39	8.73	12.0 E	16.0 E	2.10	1.17	1.95	0.5208	0.4228	24
25	0.0868	0.0768	0.5008	2.48	8.99	11.5 E	14.5 E	1.96	1.26	1.94	0.5158	0.4208	25
26	0.0908	0.0908	0.7008	2.89	8.48	10.6 E	13.3 A	1.88	1.33	1.92	0.5108	0.4208	26
27	0.0848	0.0958	0.7858	2.41	7.95	9.80E	12.1	1.86	1.33	1.95	0.5058	0.4198	27
28	0.0878	0.1058	0.7808	2.51	6.93	9.20E	11.0	1.81	1.47	1.96	0.5008	0.4188	28
29	0.1008		0.7758	2.48	6.37	8.70E	14.1	1.76	1.47	0.9208	0.4958	0.4178	29
30	0.1058		0.7808	2.37	5.93	8.30E	18.5	1.71	1.48	0.8608	0.4908	0.4168	30
31	0.1108		0.7508		5.34		22.0	1.61		0.8108		0.4178	31
TOTAL	2.934	2.515	12.196	48.620	208.04	138.78	397.85	162.18	40.22	48.890	17.584	13.742	TOTAL
MEAN	0.095	0.090	0.393	1.62	6.71	4.63	12.8	5.23	1.34	1.58	0.586	0.443	MEAN
MAX	0.140	0.120	0.785	2.89	13.5	12.0	22.0	19.0	1.60	1.99	0.780	0.485	MAX
MIN	0.080	0.080	0.130	0.705	2.58	1.79	7.00	1.61	1.17	0.810	0.490	0.415	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.00
MAXIMUM DAILY, 22.0 ON JUL 31
MINIMUM DAILY, 0.0808 ON FEB 19
MAXIMUM INSTANTANEOUS,
23.1 AT 11:25 MST ON JUL 31

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 42 18 N
LONG 111 21 20 W
DRAINAGE AREA 959 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	253	JUL	34 400
FEB	217	AUG	14 000
MAR	1 050	SEP	3 480
APR	4 200	OCT	4 220
MAY	18 000	NOV	1 520
JUN	12 000	DEC	1 190

TOTAL DISCHARGE, 94 500 dam³

HARTLEY CREEK NEAR FORT MACKAY - STATION NO. 07DA009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0	0 B	0.2458	3.198	3.32	2.48	3.53	0.436	0.547	0.3258	0	1
2	0	0	0 B	0.2908	3.20	3.20	2.42	3.34	0.452	0.529	0.2988	0	2
3	0	0	0 B	0.3458	3.28	3.04	2.22	3.00	0.447	0.534	0.2658	0	3
4	0	0	0 B	0.4408	3.36	2.89	2.27	2.66	0.446	0.543	0.2528	0	4
5	0	0	0 B	0.5258	3.44	2.74	2.15	2.39	0.430	0.540	0.2308	0	5
6	0	0	0 B	0.5508	3.56	2.60	2.78	2.23	0.414	0.588	0.2118	0	6
7	0	0	0 B	0.7608	3.62	2.47	2.91	2.11	0.398	0.772	0.1908	0	7
8	0	0	0 B	0.8408	3.66	2.51	2.98	1.92	0.387	0.880	0.1658	0	8
9	0	0	0 B	0.9008	3.63	2.19	2.96	1.81	0.367	0.902	0.1408	0	9
10	0	0	0 B	0.9808	3.90	2.04	2.84	1.68	0.328	0.904	0.1208	0	10
11	0	0	0 B	1.02 B	4.21	1.88	2.75	1.54	0.301	0.905	0.1008	0	11
12	0	0	0 B	1.07 B	4.43	1.74	2.61	1.39	0.287	0.900	0.0858	0	12
13	0	0	0 B	1.12 B	4.56	1.61	2.36	1.26	0.280	0.888	0.0708	0	13
14	0	0	0.0028	1.17 B	4.56	1.50	2.15	1.14	0.311	0.884	0.0558	0	14
15	0	0	0.0088	1.20 B	4.47	1.39	2.20	1.04	0.382	0.864	0.0508	0	15
16	0	0	0.0148	1.22 B	4.44	1.29	2.40	0.987	0.495	0.851	0.0428	0	16
17	0	0	0.0258	1.26 B	4.31	1.22	2.31	0.911	0.515	0.842	0.0388	0	17
18	0	0	0.0358	1.27 B	4.18	1.15	2.50	0.854	0.530	0.821	0.0328	0	18
19	0	0	0.0508	1.28 B	4.05	1.19	2.79	0.869	0.551	0.812	0.0208	0	19
20	0	0	0.0658	1.29 B	3.97	1.56	2.95	0.884	0.550	0.787	0.0158	0	20
21	0	0	0.0808	1.30 B	3.87	2.01	3.00	0.908	0.549	0.783	0.0108	0	21
22	0	0	0.0908	1.31 B	3.75	2.55	2.95	0.899	0.573	0.768	0.0028	0	22
23	0	0	0.1008	1.32 B	4.12	2.91	2.87	0.854	0.581	0.744	0 B	0	23
24	0	0	0.1108	1.40 B	4.32	3.21	2.81	0.821	0.572	0.725	0 B	0	24
25	0	0	0.1158	1.50 B	4.35	3.34	2.88	0.736	0.550	0.707	0 B	0	25
26	0	0	0.1268	1.63 B	4.30	3.29	2.89	0.629	0.568	0.687	0 B	0	26
27	0	0	0.1408	1.80 B	4.20	3.13	2.80	0.578	0.570	0.5708	0 B	0	27
28	0	0	0.1608	2.00 B	3.99	2.96	2.56	0.544	0.574	0.5008	0 B	0	28
29	0		0.1808	2.20 B	3.78	2.79	2.46	0.520	0.596	0.4358	0 B	0	29
30	0		0.2008	2.60 B	3.56	2.81	3.00	0.476	0.589	0.3958	0 B	0	30
31	0		0.2168		3.43		3.46	0.456		0.3558		0	31
TOTAL	0	0	1.716	36.015	121.75	70.13	83.23	42.946	13.989	22.002	2.713	0	TOTAL
MEAN	0	0	0.055	1.17	3.93	2.34	2.68	1.39	0.466	0.710	0.088	0	MEAN
MAX	0	0	0.216	2.60	4.56	3.34	3.46	3.53	0.596	0.905	0.325	0	MAX
MIN	0	0	0	0.245	3.19	1.15	2.15	0.456	0.368	0.355	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.08
MAXIMUM DAILY, 4.56 ON MAY 13
MINIMUM DAILY, 0 B ON JAN 1
MAXIMUM INSTANTANEOUS,
4.60 AT 19:59 MST ON MAY 13

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 15 34 N
LONG 111 27 53 W
DRAINAGE AREA, 358 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	0	JUL	7 190
FEB	0	AUG	3 710
MAR	148	SEP	1 210
APR	3 030	OCT	1 900
MAY	10 500	NOV	234
JUN	6 080	DEC	0

TOTAL DISCHARGE, 34 000 dam³

HASTINGS LAKE NEAR DEVILLE - STATION NO 05EB011

DAILY WATER LEVEL IN METRES FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	736.252	736.275	736.196	736.238	736.153	736.167	---	---	1
2	---	---	---	736.217	736.253	736.269	736.192	736.234	736.150	736.169	---	---	2
3	---	---	---	---	736.249	736.263	736.202	736.232	736.147	736.169	---	---	3
4	---	---	---	---	736.247	736.257	736.200	736.242	736.143	736.173	---	---	4
5	---	---	---	---	736.247	736.251	736.198	736.239	736.139	736.173	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	
7	---	---	736.181	---	736.245	736.247	736.196	736.262	736.135	736.173	---	---	6
8	---	---	---	---	736.243	736.243	736.191	736.250	736.129	736.171	---	---	7
9	---	---	---	---	736.243	736.237	736.188	736.248	736.125	736.171	---	---	8
10	---	---	---	---	736.243	736.235	736.190	736.240	736.121	736.169	---	---	9
					736.248	736.231	736.198	736.236	736.119	736.169	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	
12	---	---	---	---	736.248	736.225	736.200	736.232	736.133	736.169	---	---	11
13	---	---	---	---	736.246	736.219	736.197	736.230	736.153	736.167	---	---	12
14	---	---	---	---	736.248	736.215	736.197	736.228	736.149	736.167	---	---	13
15	---	---	---	---	736.274	736.215	736.15	736.222	736.147	736.165	---	---	14
					736.300	736.211	736.195	736.218	736.145	736.165	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	
17	---	---	---	---	736.302	736.219	736.161	736.208	736.145	736.163	---	---	16
18	---	---	---	736.219	736.300	736.217	736.159	736.208	736.145	736.163	---	---	17
19	---	---	---	---	736.303	736.215	736.235	736.200	736.143	736.161	---	---	18
20	---	---	---	---	736.302	736.217	736.239	736.198	736.141	736.161	---	---	19
					736.302	736.229	736.239	736.190	736.139	736.161	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	
22	---	---	---	---	736.300	736.226	736.237	736.186	736.139	736.161	---	---	21
23	---	---	---	---	736.300	736.232	736.233	736.180	736.137	736.161	---	---	22
24	---	---	---	---	736.298	736.218	736.229	736.177	736.135	736.159	---	---	23
25	---	---	736.078	---	736.296	736.214	736.231	736.173	736.133	736.159	---	---	24
					736.294	736.210	736.231	736.169	736.129	736.157	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	
27	---	---	---	---	736.292	736.210	736.227	736.167	736.145	736.157	---	---	26
28	---	---	---	---	736.290	736.210	736.227	736.169	736.163	736.157	---	---	27
29	---	---	---	---	736.288	736.206	736.227	736.161	736.163	736.156	---	---	28
30	---	---	---	---	736.286	736.202	736.201	736.161	736.161	736.159	---	---	29
31	---	---	---	---	736.284	736.198	736.239	736.161	736.164	736.159	---	---	30
					736.281		736.237	736.157		736.157	---	---	31
MEAN	---	---	---	---	736.274	736.227	736.213	736.206	736.142	736.164	---	---	MEAN
MAX	---	---	---	---	736.302	736.275	736.261	736.252	736.164	736.173	---	---	MAX
MIN	---	---	---	---	736.243	736.198	736.188	736.157	736.119	736.157	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1985

MAXIMUM DAILY, 736.303 ON MAY 16

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 25 30 N
LONG 112 54 02 W

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA
270 km²

MAY RIVER NEAR MEANDER RIVER - STATION NO 07OB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2 730	1 660	2330	183	145	100	34.5	15.8	---	---	1
2	---	---	2 610	1 600	2529	158	140	105	33.3	16.5	---	---	2
3	---	---	2 940	1 700	2439	155	135	102	32.0	16.8	---	---	3
4	---	---	2 430	1 750	226	152	131	98.1	30.7	17.5	---	---	4
5	---	---	2 310	1 740	222	148	129	94.8	29.0	19.6	---	---	5
6	---	---	2 200	1 750	220	144	125	92.1	27.7	21.6	---	---	6
7	---	---	2 130	1 770	220	139	121	89.5	26.3	22.3	---	---	7
8	---	---	2 080	1 850	221	135	118	85.5	24.0	22.9	---	---	8
9	---	---	2 070	2 100	229	130	117	83.2	23.8	23.6	---	---	9
10	---	---	2 040	2 410	238	125	116	78.8	22.5	24.9	---	---	10
11	---	---	2 000	2 770	245	122	117	73.1	21.4	27.3	---	---	11
12	---	---	1 920	2 870	2504	119	116	67.9	19.9	30.3	---	---	12
13	---	---	1 780	2 870	2562	117	116	63.4	18.4	32.6	---	---	13
14	---	---	1 700	2 930	2514	114	120	58.5	17.4	34.2	---	---	14
15	---	---	1 640	2 950	261	111	122	55.8	16.5	35.4	---	---	15
16	---	---	1 650	3 030	261	107	124	52.8	15.6	36.7	---	---	16
17	---	---	1 650	3 180	258	102	123	50.3	15.2	38.1	---	---	17
18	---	3 730	1 650	3 360	256	100	127	49.3	14.6	39.6	---	---	18
19	---	3 980	1 650	3 730	248	97.8	128	48.0	14.1	40.1	---	---	19
20	---	3 390	1 650	4 130	235	110	131	46.4	13.8	41.2	---	---	20
21	---	3 350	1 640	4 130	221	148	141	44.9	13.1	42.1	---	---	21
22	---	3 380	1 650	4 010	213	178	150	43.2	12.7	43.0	---	---	22
23	---	3 360	1 760	7 020	206	201	152	41.7	12.7	43.3	---	---	23
24	---	3 330	1 640	13.0 E	201	214	149	41.6	12.6	40.48	---	---	24
25	---	3 200	1 980	26.4 E	196	209	143	40.8	12.8	38.08	---	---	25
26	---	3 200	1 670	52.2 E	193	180	136	39.8	13.7	35.48	---	---	26
27	---	3 090	1 650	109 E	188	180	129	38.4	14.8	35.08	---	---	27
28	---	2 940	1 640	167 E	182	180	121	37.2	15.3	32.28	---	---	28
29	---		1 640	212 E	176	170	116	35.7	15.2	24.68	---	---	29
30	---		1 580	240 E	171	159	114	35.3	15.3	20.38	---	---	30
31	---		1 560		167		112	34.8		18.28	---	---	31
TOTAL	---	---	58.44	884.83	6 952	4 395.6	3 972	1 935.2	689.5	930.1	---	---	TOTAL
MEAN	---	---	1.89	29.6	224	147	128	62.4	19.7	30.0	---	---	MEAN
MAX	---	---	2.73	240	261	214	152	100	34.5	43.3	---	---	MAX
MIN	---	---	1.55	1.55	167	97.8	112	34.8	12.6	15.8	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 80.5
MAXIMUM DAILY, 2610 ON MAY 14
MINIMUM DAILY, 1.550 ON MAR 31
MAXIMUM INSTANTANEOUS,
383 AT 19:00 MST ON MAY 14

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 06 56 N
LONG 117 36 03 W
DRAINAGE AREA, 26 900 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	343 000
FEB	---	AUG	187 000
MAR	5 050	SEP	80 900
APR	77 300	OCT	80 400
MAY	601 000	NOV	---
JUN	380 000	DEC	---

TOTAL DISCHARGE, 1 700 000 dam³

HAYNES CREEK NEAR HAYNES - STATION NO 05CD006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0149	0.086	0.046	0.005	0.001	0.077	0.010	0.005	0.008	---	1
2	---	---	0.3648	0.075	0.048	0.008	0	0.085	0.008	0.005	0.009	---	2
3	---	---	1.26 B	0.081	0.052	0.006	0.001	0.056	0.006	0.006	0.009	---	3
4	---	---	1.10 B	0.059	0.057	0.003	0.002	0.051	0.002	0.012	0.009A	---	4
5	---	---	0.8758	0.048	0.068	0.002	0.002	0.047	0	0.015	---	---	5
6	---	---	0.5778	0.043	0.080	0.002	0.003	0.028	0	0.014	---	---	6
7	---	---	0.3168	0.040	0.085	0.002	0.004	0.020	0	0.013	---	---	7
8	---	---	0.1748	0.033	0.089	0.002	0.003	0.019	0	0.012	---	---	8
9	---	---	0.1888	0.024	0.097	0.001	0.002	0.018	0	0.011	---	---	9
10	---	---	0.160	0.022	0.105	0	0.002	0.017	0	0.015	---	---	10
11	---	---	0.094	0.020	0.112	0	0.004	0.020	0	0.015	---	---	11
12	---	---	0.050	0.015	0.118	0	0.003	0.029	0.002	0.016	---	---	12
13	---	---	0.035	0.009	0.129	0	0.002	0.037	0.003	0.018	---	---	13
14	---	---	0.029	0.005	0.200	0	0.001	0.053	0.003	0.015	---	---	14
15	---	---	0.033	0.003	0.243	0	0.003	0.069	0.003	0.013	---	---	15
16	---	---	0.0892	0.003	0.270	0	0.004	0.075	0.004	0.009	---	---	16
17	---	---	0.121E	0.003	0.342	0	0.077	0.079	0.005	0.010	---	---	17
18	---	---	0.148E	0.003	0.543	0.005	0.123	0.077	0.005	0.011	---	---	18
19	---	---	0.182E	0.002	0.977	0.006	0.119	0.068	0.006	0.009	---	---	19
20	---	---	0.396A	0.002	1.02	0.008	0.123	0.061	0.005	0.007	---	---	20
21	---	---	0.808	0.003	0.836	0.006	0.181	0.058	0.007	0.006	---	---	21
22	---	---	0.916	0.005	0.701	0.004	0.223	0.052	0.126	0.006	---	---	22
23	---	---	0.838	0.013	0.513	0.002	0.252	0.047	0.068	0.006	---	---	23
24	---	---	0.657	0.016	0.358	0.001	0.240	0.042	0.008	0.006	---	---	24
25	---	---	0.344	0.019	0.243	0.001	0.218	0.039	0.010	0.007	---	---	25
26	---	---	0.435	0.022	0.152	0.003	0.175	0.036	0.011	0.007	---	---	26
27	---	---	0.261	0.025	0.086	0.003	0.157	0.031	0.012	0.007	---	---	27
28	---	08	0.144	0.028	0.025	0.002	0.140	0.023	0.008	0.007	---	---	28
29	---		0.078	0.036	0.019	0.001	0.127	0.020	0.005	0.008	---	---	29
30	---		0.069	0.045	0.009	0.001	0.111	0.017	0.005	0.008	---	---	30
31	---		0.099		0.005		0.092	0.013		0.008		---	31
TOTAL	---	---	10.833	0.800	7.809	0.074	2.376	1.353	0.284	0.307	---	---	TOTAL
MEAN	---	---	0.349	0.027	0.245	0.002	0.077	0.044	0.009	0.010	---	---	MEAN
MAX	---	---	1.26	0.091	1.02	0.008	0.252	0.078	0.126	0.018	---	---	MAX
MIN	---	---	0.014	0.002	0.005	0	0	0.013	0	0.005	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.095
MAXIMUM DAILY, 1.260 ON MAR 3
MINIMUM DAILY, 0 ON JUN 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 19 55 N
LONG 113 21 40 W
DRAINAGE AREA, 166 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	205
FEB	---	AUG	117
MAR	936	SEP	22.8
APR	69.1	OCT	26.5
MAY	657	NOV	---
JUN	6.39	DEC	---

TOTAL DISCHARGE, 2 040 dam³

HEART RIVER NEAR NAMPA - STATION NO. 07NA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2948	0.2088	0.1908	17.7 B	4.69	3.15	2.28	4.33	0.051	0.501	0.409	0.3738	1
2	0.2928	0.2078	0.2018	13.1 B	4.41	2.69	1.87	3.84	0.037	0.470	0.477	0.3448	2
3	0.2798	0.1958	0.1938	11.7 B	5.10	2.40	1.66	3.35	0.017	0.485	0.523	0.3368	3
4	0.2708	0.1918	0.1988	15.1 B	5.51	2.02	1.47	2.73	0.013	0.474	0.538	0.3258	4
5	0.2788	0.1748	0.2158	17.0 B	6.76	1.70	1.33	2.24	0.014	0.407	0.5838	0.3468	5
6	0.2828	0.1668	0.2898	16.6 B	7.03	1.60	1.26	1.94	0.039	0.417	0.6268	0.3228	6
7	0.2878	0.1608	0.2608	13.2 B	8.72	1.31	1.34	1.80	0.089	0.485	0.6178	0.3198	7
8	0.2848	0.1578	0.1998	13.5	8.62	1.10	1.33	1.71	0.050	0.480	0.5598	0.3278	8
9	0.2908	0.1498	0.1898	11.2	8.44	0.939	1.20	1.38	0.034	0.472	0.5088	0.2898	9
10	0.2778	0.1478	0.4908	9.27	8.95	0.780	1.13	1.13	0.023	0.684	0.4208	0.2888	10
11	0.2718	0.1498	0.7288	8.14	8.43	0.603	1.29	0.959	0.015	0.671	0.4138	0.2978	11
12	0.2478	0.1678	0.9678	7.22	8.45	0.523	1.09	0.783	0.013	0.600	0.4278	0.3068	12
13	0.2308	0.1578	0.5528	6.82	8.87	0.427	1.13	0.656	0.033	0.533	0.4408	0.3008	13
14	0.2458	0.1548	0.5498	5.74	8.49	0.375	1.83	0.537	0.051	0.504	0.4338	0.2858	14
15	0.2368	0.1458	0.5398	4.54	7.18	0.494	3.54	0.472	0.045	0.508	0.4368	0.2758	15
16	0.2408	0.1258	0.5738	4.17	7.40	0.575	5.49	1.32	0.051	0.507	0.4308	0.2598	16
17	0.2558	0.1238	0.4508	4.85	6.83	0.483	7.61	1.16	0.149	0.494	0.4238	0.2468	17
18	0.2618	0.1278	0.4208	5.43	6.52	0.527	10.4	0.893	0.119	0.434	0.4168	0.2448	18
19	0.2628	0.1248	0.4278	7.34	5.64	0.520	11.8	0.760	0.094	0.359	0.4328	0.2308	19
20	0.2408	0.1438	0.4618	7.07	5.16	0.807	11.2	0.694	0.187	0.424	0.4208	0.2238	20
21	0.2258	0.1598	0.5178	7.58	5.00	0.715	10.3	0.380	0.106	0.850	0.4318	0.2238	21
22	0.2198	0.1628	0.4518	7.85	4.93	0.889	9.39	0.484	0.103	0.410	0.4288	0.2268	22
23	0.2238	0.1818	7.98 B	7.08	5.36	3.97	8.61	0.354	0.129	0.248	0.4378	0.2388	23
24	0.2088	0.2118	11.2 B	6.36	7.09	4.30	8.04	0.238	0.219	0.300	0.4778	0.2618	24
25	0.1988	0.2068	9.00 B	6.01	8.61	4.23	7.16	0.205	0.192	0.320	0.4488	0.2508	25
26	0.1898	0.2058	8.18 B	5.46	6.65	3.98	5.43	0.200	0.150	0.318	0.4308	0.2648	26
27	0.1968	0.1928	7.85 B	4.74	5.70	3.65	5.35	0.181	0.128	0.317	0.4188	0.2688	27
28	0.2008	0.1828	11.5 B	4.35	5.18	3.35	5.38	0.181	0.108	0.372	0.3958	0.2608	28
29	0.1818		29.6 B	4.36	4.69	2.95	6.66	0.178	0.116	0.418	0.3888	0.2718	29
30	0.1998		29.7 B	4.59	4.27	2.54	5.79	0.117	0.354	0.418	0.3778	0.2668	30
31	0.2188		23.4 B		3.53		4.87	0.103		0.385		0.2528	31
TOTAL	7.576	4.678	146.568	259.18	183.29	53.481	148.59	35.296	2.639	14.015	13.767	8.730	TOTAL
MEAN	0.244	0.167	4.73	8.64	5.91	1.78	4.79	1.14	0.088	0.452	0.459	0.282	MEAN
MAX	0.294	0.211	29.7	17.7	7.40	4.30	11.8	4.33	0.354	0.671	0.626	0.373	MAX
MIN	0.181	0.123	0.189	4.17	3.53	0.375	1.08	0.103	0.013	0.248	0.377	0.223	MIN

SUMMARY FOR THE YEAR 1985

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.40
MAXIMUM DAILY, 29.78 ON MAR 30
MINIMUM DAILY, 0.013 ON SEP 4
MAXIMUM INSTANTANEOUS,
38.4 AT 00:00 MST ON MAR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 03 20 N
LONG 117 07 42 W
DRAINAGE AREA, 1 960 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	655	JUL	12 800
FEB	404	AUG	3 050
MAR	12 700	SEP	228
APR	22 400	OCT	1 210
MAY	15 800	NOV	1 190
JUN	4 620	DEC	764

TOTAL DISCHARGE, 75 800 dam³

HIGHWOOD DIVERSION CANAL NEAR HEADGATES - STATION NO. 05BL025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.003	0.002	1.14	1.23	1.05	0.756	0.483	0.006	---	1
2	---	---	---	0.003	0.001	1.16	1.21	1.05	0.760	0.483	0.006	---	2
3	---	---	---	0.004	0	1.16	1.21	1.05	0.747	0.482	0.006	---	3
4	---	---	---	0.004	0	1.15	1.19	1.06	0.747	0.482	0.006	---	4
5	---	---	---	0.004	0	1.20	1.21	1.05	0.752	0.482	0.006	---	5
6	---	---	---	0.004	0	1.29	1.25	1.05	0.754	0.485	0.006	---	6
7	---	---	---	0.004	0	1.30	1.25	1.05	0.753	0.489	0.006	---	7
8	---	---	---	0.004	0	1.30	1.27	1.05	0.753	0.490	0.006	---	8
9	---	---	---	0.004	0	1.29	1.35	1.05	0.757	0.491	0.006	---	9
10	---	---	---	0.004	0	1.27	1.34	1.06	0.758	0.491	0.006	---	10
11	---	---	---	0.004	0	1.28	1.31	1.06	0.759	0.490	0.005	---	11
12	---	---	---	0.006	0.091	1.28	1.21	1.06	0.764	0.488	0.002	---	12
13	---	---	---	0.003	0.358	1.25	1.18	1.07	0.762	0.487	0.002	---	13
14	---	---	---	0.002	0.134	1.27	1.24	1.08	0.763	0.485	0.0028	---	14
15	---	---	---	0.003	0.349	1.34	1.31	1.03	0.762	0.483	0.0028	---	15
16	---	---	---	0.003	0.489	1.31	1.34	1.03	0.763	0.483	0.0028	---	16
17	---	---	---	0.003	0.509	1.29	1.54	1.04	0.771	0.483	0.0028	---	17
18	---	---	---	0.003	0.513	1.28	1.57	0.928	0.772	0.483	0.0028	---	18
19	---	---	---	0.003	0.519	1.27	1.51	0.722	0.774	0.483	0.0028	---	19
20	---	---	---	0.002	0.606	1.25	1.52	0.716	0.776	0.243	0.0028	---	20
21	---	---	---	0.003	0.780	1.26	1.51	0.712	0.777	0.008	0.0028	---	21
22	---	---	---	0.003	0.536	1.25	1.50	0.708	0.772	0.008	0.0028	---	22
23	---	---	---	0.002	0.415	1.25	1.52	0.712	0.716	0.007	0.0028	---	23
24	---	---	---	0.002	0.446	1.25	1.53	0.730	0.717	0.007	0.0028	---	24
25	---	---	0.004A	0.002	0.447	1.24	1.51	0.732	0.729	0.007	0.0028	---	25
26	---	---	0.004	0.002	0.120	1.23	1.52	0.734	0.720	0.006	0.0018	---	26
27	---	---	0.003	0.002A	0.787	1.22	1.52	0.734	0.703	0.006	0.0018	---	27
28	---	---	0.003	0.002A	1.16	1.22	1.44	0.733	0.699	0.006	0.0018	---	28
29	---		0.003	0.002	1.14	1.25	1.24	0.733	0.694	0.006	0.0018	---	29
30	---		0.003	0.002	1.14	1.25	1.25	0.749	0.635	0.006	0	---	30
31	---		0.004		1.16		1.21	0.760		0.006		---	31
TOTAL	---	---	---	0.092	11.662	37.51	41.99	28.293	22.355	9.639	0.097	---	TOTAL
MEAN	---	---	---	0.003	0.376	1.25	1.35	0.913	0.745	0.308	0.003	---	MEAN
MAX	---	---	---	0.006	1.16	1.34	1.57	1.08	0.777	0.491	0.006	---	MAX
MIN	---	---	---	0.002	0	1.14	1.18	0.708	0.635	0.006	0	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.708
MAXIMUM DAILY, 1.57 ON JUL 18
MINIMUM DAILY, 0 ON MAY 3

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 33 08 N
LONG 113 58 20 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 630
FEB	---	AUG	2 440
MAR	---	SEP	1 930
APR	7 95	OCT	824
MAY	1 010	NOV	8.38
JUN	3 240	DEC	---

TOTAL DISCHARGE, 13 100 dam³

HIGHWOOD RIVER AT DIEBEL'S RANCH - STATION NO. 05BL019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2.91E	3.02	5.81	81.4	16.1	6.56	6.23	5.67	4.40	---	1
2	---	---	2.91E	2.94	5.87	76.4	15.1	6.32	6.61	5.72	5.20	---	2
3	---	---	2.91E	2.68	6.90	63.3	15.8	6.24	5.25	5.43	5.49	---	3
4	---	---	2.91A	2.74	10.1	51.6	15.1	6.43	5.14	5.46	5.30	---	4
5	---	---	2.79	2.78	10.1	47.1	13.8	6.28	5.54	5.81	5.26A	---	5
6	---	---	2.73	2.78	9.94	47.8	12.7	6.15	5.21	6.54	---	---	6
7	---	---	2.84	2.98	9.55	49.1	12.2	6.72	4.99	7.54	---	---	7
8	---	---	2.69	3.45	9.73	46.1	11.9	6.57	4.95	8.15	---	---	8
9	---	---	2.55	4.37	10.2	42.7	12.1	6.65	5.14	8.15	---	---	9
10	---	---	2.51	4.98	10.8	39.6	11.3	5.42	5.03	8.19	---	---	10
11	---	---	2.42	4.56	10.6	36.9	10.5	5.74	5.32	7.79	---	---	11
12	---	---	2.36	4.14	10.5	36.8	10.2	5.61	5.36	7.54	---	---	12
13	---	---	2.32	3.81	10.4	32.5	9.82	6.36	5.19	7.32	---	---	13
14	---	---	2.32	3.83	10.3	30.2	9.20	5.91	4.97	7.13	---	---	14
15	---	---	2.28	3.83	9.84	33.5	9.03	5.53	4.85	6.90	---	---	15
16	---	---	2.32	3.85	9.87	28.7	9.10	5.20	4.84	6.71	---	---	16
17	---	---	2.24	3.81	10.3	26.5	11.0	4.85	4.79	6.53	---	---	17
18	---	---	2.27	3.51	11.4	27.2	9.94	4.67	4.76	6.43	---	---	18
19	---	---	2.22	3.48	14.7	25.5	9.38	4.63	4.68	6.19	---	---	19
20	---	---	2.23	4.04	21.4	22.4	9.04	4.61	4.66	6.16	---	---	20
21	---	---	2.40	5.84	33.9	18.9	8.59	4.40	4.55	6.03	---	---	21
22	---	---	2.39	10.1	36.0	18.4	8.23	4.26	4.41	5.83	---	---	22
23	---	---	2.24	11.6	30.3	17.7	8.20	4.11	4.35	5.71	---	---	23
24	---	---	2.38	9.13	29.1	18.4	7.88	4.06	4.28	5.59	---	---	24
25	---	---	2.29	8.27	34.7	18.2	7.68	4.01	5.01	5.52	---	---	25
26	---	---	2.24	7.80	53.9	17.2	8.17	3.86	5.72	5.39	---	---	26
27	---	---	2.49	6.94	77.9	18.1	8.35	3.73	5.52	5.53	---	---	27
28	---	---	3.43	6.64	90.3	18.5	7.83	3.87	5.32	5.78	---	---	28
29	---		4.20	6.16	95.2	18.8	7.70	3.62	5.20	5.54	---	---	29
30	---		3.83	5.99	88.9	18.2	7.31	4.61	5.33	5.79	---	---	30
31	---		3.26		86.2		6.92	7.18		5.15		---	31
TOTAL	---	---	81.68	149.46	864.71	1 025.7	320.17	161.08	152.29	197.33	---	---	TOTAL
MEAN	---	---	2.63	4.98	27.9	34.2	10.3	5.20	5.08	6.37	---	---	MEAN
MAX	---	---	4.20	11.6	95.2	81.4	16.1	7.18	6.23	8.19	---	---	MAX
MIN	---	---	2.22	2.68	5.81	15.5	6.92	3.62	4.35	5.15	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.1
MAXIMUM DAILY, 95.2 ON MAY 29
MINIMUM DAILY, 2.22 ON MAR 15
MAXIMUM INSTANTANEOUS,
106 AT 01:25 MST ON MAY 29

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 24 20 N
LONG 114 29 50 W
DRAINAGE AREA, 774 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	27 700
FEB	---	AUG	13 800
MAR	7 080	SEP	13 200
APR	12 900	OCT	17 000
MAY	74 700	NOV	---
JUN	88 800	DEC	---

TOTAL DISCHARGE, 255 000 dam³

HIGHWOOD RIVER AT HIGH RIVER - STATION NO. 05BL003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.220	2.920	5.180	5.52	8.88	---	---	---	---	---	---	---	1
2	3.150	2.830	5.660	5.33	8.76	---	---	---	---	---	---	---	2
3	3.150	2.950	7.100	5.14	9.07	---	---	---	---	---	---	---	3
4	2.990	2.690	6.320	5.02	12.4	---	---	---	---	---	---	---	4
5	2.400	2.640	4.770	5.08	17.5	---	---	---	---	---	---	---	5
6	2.180	2.580	4.620	5.02	18.9	---	---	---	---	---	---	---	6
7	2.584	2.440	5.000	4.98	18.9	---	---	---	---	---	---	---	7
8	2.800	2.360	5.390	5.28	18.0	---	---	---	---	---	---	---	8
9	3.000	2.280	5.190	5.89	18.3	---	---	---	---	---	---	---	9
10	3.310	2.200	5.730	6.76	20.0	---	---	---	---	---	---	---	10
11	3.550	2.110	5.550	7.20	22.2	---	---	---	---	---	---	---	11
12	3.720	2.030	6.700	6.83	22.8	---	---	---	---	---	---	---	12
13	3.650	1.940	5.610	6.07	21.0	---	---	---	---	---	---	---	13
14	3.800	1.850	4.790	5.94	21.2	---	---	---	---	---	---	---	14
15	3.890	1.490	4.530	6.46	20.8	---	---	---	---	---	---	---	15
16	3.590	1.780	4.280	6.37	20.9	---	---	---	---	---	---	---	16
17	3.560	1.700	4.110	6.90	21.6	---	---	---	---	---	---	---	17
18	3.620	1.760	3.000	7.19	22.1	---	---	---	---	---	---	---	18
19	3.970	1.850	2.570	7.00	25.1	---	---	---	---	---	---	---	19
20	3.840	1.960	2.810	7.05	30.1	---	---	---	---	---	---	---	20
21	3.530	2.080	3.97	8.19	39.0	---	---	---	---	---	---	---	21
22	3.550	2.190	4.80	10.5	51.6	---	---	---	---	---	---	---	22
23	2.790	2.310	4.85	15.4	47.1	---	---	---	---	---	---	---	23
24	2.920	2.410	4.59	13.3	41.2	---	---	---	---	---	---	---	24
25	2.720	52.8 e	4.67	11.7	42.5	---	---	---	---	---	---	---	25
26	2.200	42.2 e	4.30	10.9	80.7	---	---	---	---	---	---	---	26
27	2.860	16.9 e	4.53	10.4	87.2	---	---	---	---	---	---	---	27
28	3.050	13.3 e	5.53	9.94	100	---	---	---	---	---	---	---	28
29	2.790		6.86	9.31	108	---	---	---	---	---	---	---	29
30	2.530		6.71	8.92	97.4	---	---	---	---	---	---	---	30
31	2.520		6.02		92.7		---	---		---		---	31
TOTAL	96.31	188.65	163.84	229.58	1 145.81	---	---	---	---	---	---	---	TOTAL
MEAN	3.11	6.74	5.29	7.65	37.0	---	---	---	---	---	---	---	MEAN
MAX	3.97	52.8	9.16	15.4	108	---	---	---	---	---	---	---	MAX
MIN	2.18	1.49	2.57	4.98	8.76	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 35 00 N
LONG 113 52 20 W
DRAINAGE AREA, 1 980 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	8 320	JUL	---
FEB	16 300	AUG	---
MAR	14 200	SEP	---
APR	19 800	OCT	---
MAY	99 000	NOV	---
JUN	---	DEC	---

HIGHWOOD RIVER BELOW LITTLE BOW CANAL - STATION NO. 05BL004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	83.0	16.3	5.37	7.28	11.8	7.42	5.808	1
2	---	---	---	---	---	76.0	14.1	5.04	6.20	12.5	7.36	5.658	2
3	---	---	---	---	---	67.5	13.6	4.82	5.55	12.0	7.72	5.258	3
4	---	---	---	---	---	58.2	13.5	5.00	5.17	11.5	7.81	4.858	4
5	---	---	---	---	---	53.1	12.9	4.79	5.85	11.7	7.71	4.408	5
6	---	---	---	---	---	54.3	11.7	5.42	5.83	12.3	7.53	4.888	6
7	---	---	---	---	---	54.9	10.6	4.77	5.26	13.5	6.908	4.858	7
8	---	---	---	---	---	51.5	10.2	4.16	5.10	14.7	4.778	4.708	8
9	---	---	---	---	---	52.0	10.0	4.11	5.44	14.7	3.568	4.458	9
10	---	---	---	---	---	45.5	9.44	4.00	5.45	14.7	4.108	4.008	10
11	---	---	---	---	---	42.4	8.78	3.83	5.48	14.0	5.508	3.788	11
12	---	---	---	---	---	41.0	8.31	4.07	6.09	13.1	6.808	3.638	12
13	---	---	---	---	---	36.2	7.91	4.57	6.03	12.4	7.608	3.408	13
14	---	---	---	---	---	32.8	7.12	5.03	5.86	11.7	7.958	3.448	14
15	---	---	---	---	---	34.6	6.87	3.81	5.65	11.2	7.858	3.488	15
16	---	---	---	---	---	32.9	6.63	3.20	5.61	10.7	7.508	3.278	16
17	---	---	---	---	---	28.7	10.5	2.83	6.14	10.3	6.758	3.078	17
18	---	---	---	---	---	27.5	10.0	3.01	6.01	9.85	6.258	2.888	18
19	---	---	---	---	---	27.0	8.12	3.53	6.21	9.43	6.008	2.788	19
20	---	---	---	---	---	23.8	7.41	3.32	6.32	9.20	6.358	2.708	20
21	---	---	---	---	---	20.7	6.87	3.16	6.29	9.26	6.858	2.828	21
22	---	---	---	---	---	18.4	6.16	2.95	6.00	9.01	7.158	2.988	22
23	---	---	---	---	---	17.3	6.16	2.76	5.80	8.74	7.108	2.998	23
24	---	---	---	---	---	19.2	5.70	2.81	5.67	8.51	7.008	2.988	24
25	---	---	---	---	---	41.2	17.8	5.86	2.80	7.27	8.27	6.638	2.978	25
26	---	---	---	---	---	59.5	16.4	6.05	2.63	12.7	8.02	6.458	2.918	26
27	---	---	---	---	---	86.0	15.1	6.04	2.36	13.7	7.81	6.108	2.788	27
28	---	---	---	---	---	99.0	14.4	5.74	2.44	11.7	8.05	5.808	2.838	28
29	---		---	---	---	107	16.8	6.55	2.64	10.7	7.94	5.788	2.408	29
30	---		---	---	---	95.8	18.9	6.19	3.26	10.1	7.75	5.808	2.238	30
31	---		---			90.0		5.46	6.20		7.85		2.228	31
TOTAL	---	---	---	---	---	1 697.7	273.59	116.16	207.67	332.46	198.11	111.55	TOTAL
MEAN	---	---	---	---	---	56.6	8.83	3.81	6.92	10.7	6.60	3.60	MEAN
MAX	---	---	---	---	---	83.0	16.3	6.20	17.7	14.7	7.95	5.80	MAX
MIN	---	---	---	---	---	14.4	5.46	2.36	5.10	7.75	3.56	2.22	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 107 ON MAY 29

MAXIMUM INSTANTANEOUS,
117 AT 09:28 MST ON MAY 29

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 35 08 N
LONG 113 52 07 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	23 800
FEB	---	AUG	10 200
MAR	---	SEP	17 900
APR	---	OCT	28 700
MAY	---	NOV	17 100
JUN	94 800	DEC	9 640

HIGHWOOD RIVER NEAR ALDERSYDE - STATION NO. 05BL009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	9.558	4.94	8.22	89.4	17.0	5.29	7.29	11.4	7.78	---	1
2	---	---	7.508	4.61	7.96	83.5	14.3	4.91	6.44	12.6	7.88	---	2
3	---	---	6.368	4.42	7.76	72.8	13.3	4.75	5.85	12.2	8.07	---	3
4	---	---	6.148	4.09	9.58	80.7	13.6	4.70	5.25	11.6	8.10	---	4
5	---	---	5.198	4.11	14.4	84.6	13.1	4.73	5.49	11.6	8.03A	---	5
6	---	---	4.738	4.15	15.6	55.2	12.2	4.94	5.78	12.1	---	---	6
7	---	---	4.218	4.11	15.8	56.2	10.9	4.86	5.49	12.9	---	---	7
8	---	---	5.308	4.20	15.0	53.7	10.5	4.20	5.10	14.4	---	---	8
9	---	---	6.678	4.63	14.8	54.3	10.1	4.09	5.25	14.7	---	---	9
10	---	---	6.128	5.58	15.8	48.4	9.81	4.05	5.41	14.6	---	---	10
11	---	---	5.588	6.53	17.6	44.8	9.10	3.82	5.42	14.2	---	---	11
12	---	---	5.388	6.28	18.4	43.5	8.65	3.91	5.81	13.2	---	---	12
13	---	---	5.338	5.75	17.0	38.6	8.36	3.80	6.08	12.5	---	---	13
14	---	---	5.208	5.15	16.6	34.0	7.78	4.80	6.08	11.9	---	---	14
15	---	---	4.908	5.72	16.5	35.0	6.99	3.92	5.90	11.4	---	---	15
16	---	---	4.608	5.48	16.0	35.1	6.95	3.48	5.71	10.9	---	---	16
17	---	---	4.23	5.79	16.0	30.2	9.09	3.10	5.12	10.5	---	---	17
18	---	---	3.25	6.18	16.3	27.6	10.5	2.81	5.11	10.0	---	---	18
19	---	---	3.34	6.00	18.2	27.4	8.73	3.37	6.33	9.70	---	---	19
20	---	---	3.89	5.75	24.2	24.5	7.66	3.32	6.37	9.10	---	---	20
21	---	---	4.27	6.32	34.6	21.2	6.84	3.33	6.44	9.52	---	---	21
22	---	---	4.60	8.37	52.9	18.7	6.25	3.16	6.32	9.34	---	---	22
23	---	---	4.69	13.8	48.5	17.2	6.04	3.06	6.14	9.08	---	---	23
24	---	---	4.49	13.9	41.6	16.6	5.81	2.89	6.00	8.78	---	---	24
25	---	---	3.93	12.0	41.3	17.7	6.03	2.85	7.08	8.50	---	---	25
26	---	88.78	4.02	11.2	56.3	16.6	5.89	2.81	12.0	8.32	---	---	26
27	---	24.88	3.92	10.6	81.3	15.2	6.70	2.70	13.7	8.18	---	---	27
28	---	14.18	4.17	9.98	97.9	14.3	6.81	2.57	12.2	8.12	---	---	28
29	---		5.82	9.12	109	15.5	6.64	2.82	11.3	8.29	---	---	29
30	---		6.51	8.57	103	19.4	6.31	3.14	10.7	7.89	---	---	30
31	---		5.67		96.0		5.47	4.71		8.20		---	31
TOTAL	---	---	159.76	207.29	1 085.03	1 142.1	278.29	116.89	208.97	336.01	---	---	TOTAL
MEAN	---	---	5.15	6.91	34.4	38.1	8.98	3.77	6.97	10.8	---	---	MEAN
MAX	---	---	8.55	13.9	109	89.4	17.0	5.29	13.7	14.7	---	---	MAX
MIN	---	---	3.25	4.09	7.76	14.3	5.47	2.57	5.10	7.88	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 14.3
MAXIMUM DAILY, 109 ON MAY 29
MINIMUM DAILY, 2.57 ON AUG 28
MAXIMUM INSTANTANEOUS,
117 AT 12:24 MST ON MAY 29

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 41 58 N
LONG 113 51 23 W
DRAINAGE AREA, 2 340 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1910

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	24 000
FEB	---	AUG	10 100
MAR	13 800	SEP	18 100
APR	17 900	OCT	29 000
MAY	92 000	NOV	---
JUN	98 700	DEC	---

TOTAL DISCHARGE, 304 000 dam³

HIGHWOOD RIVER NEAR THE MOUTH - STATION NO. 05BL024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.588	3.208	15.1 B	7.85	11.7	125	29.0	11.8	14.7	32.4	13.1	5.308	1
2	3.598	3.308	14.2 B	7.19	10.7	116	24.1	10.9	12.7	35.7	13.8	7.668	2
3	3.658	3.438	13.3 B	6.82	10.8	103	22.2	10.4	11.2	32.8	14.8	5.908	3
4	3.338	3.248	9.868	6.42	13.4	86.4	22.5	10.7	10.3	30.0	14.4	4.928	4
5	3.048	3.028	9.428	6.18	20.6	80.5	21.1	10.6	10.9	30.-	14.0	5.458	5
6	2.528	2.818	7.278	6.61	23.4	84.9	19.8	11.1	11.5	33.9	13.8	5.208	6
7	2.288	2.758	11.3 B	6.77	24.4	86.3	18.0	10.7	10.8	36.5	11.7	5.108	7
8	3.308	2.898	10.1 B	7.12	22.5	81.5	17.8	9.43	10.1	37.5	11.2 B	4.808	8
9	3.858	2.848	12.0 B	7.86	22.3	82.2	18.7	9.32	10.8	36.1	10.3 B	4.528	9
10	3.948	2.828	10.3 B	8.77	24.1	72.8	18.8	8.75	11.6	34.2	10.5 B	4.458	10
11	4.218	2.508	10.1 B	9.84	29.2	67.1	16.9	8.59	12.0	31.7	12.3 B	4.508	11
12	4.048	2.458	9.748	8.67	31.9	64.6	15.8	8.44	11.8	29.1	15.0 B	4.808	12
13	4.138	2.408	8.888	8.07	30.0	57.3	15.9	9.45	12.4	26.6	16.4 B	4.758	13
14	4.038	2.208	8.218	7.23	30.0	50.5	15.0	12.5	12.3	25.0	16.7 B	4.608	14
15	4.208	2.008	7.108	7.95	28.9	51.7	13.4	10.5	11.6	23.4	16.4 B	4.758	15
16	4.188	2.108	5.788	7.64	26.6	52.7	13.4	9.12	11.3	22.0	17.3 B	4.608	16
17	3.908	2.108	5.318	8.18	29.0	44.8	19.4	8.29	13.2	21.1	18.2 B	4.308	17
18	3.768	2.158	4.958	9.02	31.0	41.5	22.6	7.52	13.9	20.3	15.0 B	4.158	18
19	4.258	2.188	4.828	8.98	36.2	41.0	18.3	7.67	13.6	19.5	14.4 B	4.288	19
20	4.408	2.588	5.578	8.58	47.4	37.0	15.7	7.85	13.8	18.7	14.1 B	4.358	20
21	4.108	3.728	6.408	10.1	63.0	32.3	14.3	7.32	13.6	18.4	14.5 B	4.508	21
22	3.808	4.228	7.978	12.8	89.3	28.3	13.0	6.90	13.1	17.5	14.2 B	4.708	22
23	3.708	4.578	7.678	19.0	77.9	25.7	12.7	6.58	12.4	17.0	13.4 B	4.808	23
24	3.538	6.078	7.148	18.2	66.9	24.4	14.0	6.16	12.2	16.2	12.7 B	5.108	24
25	3.518	88.8 B	5.688	16.8	66.8	26.4	12.8	6.12	18.4	15.8	12.4 B	5.308	25
26	3.718	87.6 B	5.938	15.3	68.2	24.6	12.7	6.87	31.6	15.5	11.0 B	5.358	26
27	3.208	34.5 B	5.688	14.9	121	22.6	14.3	5.50	38.2	15.3	9.248	5.358	27
28	3.888	21.0 B	6.84	14.1	144	21.5	15.2	5.18	30.6	14.6	8.288	5.308	28
29	3.408		10.0	13.2	153	25.9	14.0	5.36	27.2	14.9	7.218	5.008	29
30	3.208		11.1	12.4	143	34.0	13.8	6.31	25.4	14.4	6.808	4.458	30
31	2.978		9.13		133		12.5	10.7		14.6		3.858	31
TOTAL	112.93	313.85	288.16	302.90	1 851.9	1 892.5	527.7	285.73	482.7	752.1	395.33	153.28	TOTAL
MEAN	3.64	11.2	8.85	10.1	53.3	55.4	17.0	8.57	15.4	24.3	13.2	4.84	MEAN
MAX	4.40	88.8	15.1	19.2	153	125	29.0	12.5	38.2	37.8	18.7	7.66	MAX
MIN	2.29	2.00	4.82	6.18	10.6	21.5	12.5	5.18	10.1	14.4	5.80	3.85	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.8
MAXIMUM DAILY, 153 ON MAY 29
MINIMUM DAILY, 2.008 ON FEB 15
MAXIMUM INSTANTANEOUS,
182 AT 17:05 MST ON MAY 29

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 47 00 N
LONG 113 49 13 W
DRAINAGE AREA, 3 990 km²

B - ICE CONDITIONS

REGULATED SINCE 1910

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	9 780	JUL	45 800
FEB	27 100	AUG	23 000
MAR	23 200	SEP	40 000
APR	26 200	OCT	85 000
MAY	143 000	NOV	34 200
JUN	148 000	DEC	13 200

TOTAL DISCHARGE, 598 000 dam³

HILDA LAKE NEAR COLD LAKE - STATION NO. 06AC003

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	546.720	---	---	2
3	---	---	---	---	---	546.885	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	546.691	---	4
5	---	---	---	---	---	546.889	---	546.858	---	---	---	---	5
6	---	---	---	---	546.869	---	---	546.860	---	---	---	---	6
7	---	---	---	---	---	546.877	546.832	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	546.708	---	---	8
9	---	---	---	---	---	---	---	546.853	---	---	---	---	9
10	---	---	---	---	---	546.865	---	---	---	---	---	---	10
11	---	---	---	---	546.871	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	546.842	---	546.754	---	---	---	12
13	---	---	---	---	---	---	---	546.836	---	---	---	---	13
14	---	---	---	---	---	546.848	---	---	---	---	---	---	14
15	---	---	---	546.859	546.879	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	546.862	---	---	546.702	---	---	16
17	---	---	---	---	546.889	546.835	---	---	546.740	---	---	---	17
18	---	---	---	---	---	---	---	546.823	---	---	---	---	18
19	---	---	---	---	---	---	546.887	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	546.885	---	546.726	---	---	---	21
22	---	---	---	---	546.895	---	---	---	---	---	---	---	22
23	---	---	---	---	---	546.834	---	---	546.723	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	546.876	---	---	546.696	---	---	25
26	---	---	---	---	---	---	---	546.792	---	---	---	---	26
27	---	546.832	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	546.900	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---		---		546.879	---					31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 31 20 N
LONG 110 24 55 W

DRAINAGE AREA, 79.8 km²

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

MINES CREEK ABOVE GERRY LAKE - STATION NO. 07FD011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0108	2.13	1.17	0	0.058	0	0.004	---	---	1
2	---	---	0 B	0.0508	2.24	0.996	0	0.057	0	0.005	---	---	2
3	---	---	0 B	0.1008	2.48	0.919	0	0.047	0	0.005	---	---	3
4	---	---	0 B	0.2168	4.15	0.834	0	0.043	0	0.004	---	---	4
5	---	---	0 B	0.3008	7.93	0.767	0	0.055	0	0.003	---	---	5
6	---	---	0 B	0.3878	9.58	0.692	0	0.058	0	0.004	---	---	6
7	---	---	0 B	0.3928	9.04	0.608	0.006	0.062	0	0.004	---	---	7
8	---	---	0 B	0.3908	8.56	0.531	0	0.051	0	0.005	---	---	8
9	---	---	0 B	0.3908	7.78	0.483	0	0.047	0.001	0.006	---	---	9
10	---	---	0 B	0.3128	7.93	0.421	0	0.041	0.001	0.003	---	---	10
11	---	---	0 B	0.2758	7.18	0.374	0	0.035	0	0.001	---	---	11
12	---	---	0 B	0.2408	6.87	0.283	0	0.034	[illegible]	0.001	---	---	12
13	---	---	0 B	0.2008	6.86	0.350	0	0.024	0	0.003	---	---	13
14	---	---	0 B	0.1348	7.44	0.338	0.027	0.019	0.002	0.002	---	---	14
15	---	---	0 B	0.1258	7.39	0.182	0.053	0.014	0	0.002	---	---	15
16	---	---	0 B	0.1408	6.77	0.116	0.053	0.016	0.002	0.003	---	---	16
17	---	---	0 B	0.4108	5.56	0.082	0.071	0.011	0.002	0.015	---	---	17
18	---	---	0 B	0.6868	4.74	0.035	0.087	0.0[illegible]	0.002	0.015	---	---	18
19	---	---	0 B	1.27 B	3.95	0.071	0.086	0.0[illegible]	0.002	0.016	---	---	19
20	---	---	0 B	2.02 B	3.37	0.016	0.086	0.013	0	0.014	---	---	20
21	---	---	0 B	2.46	3.21	0.013	0.088	0.012	0.002	0.012	---	---	21
22	---	---	0 B	2.70	2.76	0.116	0.082	0.004	0.002	0.008	---	---	22
23	---	---	0 B	2.85	2.45	0.141	0.078	0.002	0.002	0.006	---	---	23
24	---	---	0 B	2.41	2.27	0.114	0.071	0.002	0.002	0.008	---	---	24
25	---	---	0 B	2.25	2.09	0.074	0.067	0	0.002	0.005	---	---	25
26	---	---	0 B	2.10	1.83	0.028	0.067	0	0.003	0.005	---	---	26
27	---	0B	0 B	2.04	1.80	0.017	0.063E	0	0.003	0.004	---	---	27
28	---	0B	0 B	2.03	1.68	0.021	0.054	0	0.003	0.005	---	---	28
29	---		0 B	2.18	1.55	0.009	0.050	0	0.005	0.005B	---	---	29
30	---		0 B	2.17	1.43	0.002	0.053	0	0.005	0.004B	---	---	30
31	---		0.001B		1.30		0.059	0		0.004B		---	31
TOTAL	---	---	0.001	30.987	144.42	9.807	1.221	0.730	0.041	0.180	---	---	TOTAL
MEAN	---	---	0	1.03	4.66	0.327	0.039	0.024	0.001	0.006	---	---	MEAN
MAX	---	---	0.001	2.70	9.58	1.17	0.086	0.062	0.005	0.016	---	---	MAX
MIN	---	---	0	0.010	1.30	0.002	0	0	0	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.785
MAXIMUM DAILY, 9.58 ON MAY 6
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
10.3 AT 00:00 MST ON MAY 6

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 20 03 N
LONG 110 15 46 W
DRAINAGE AREA, 374 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	105
FEB	---	AUG	63.1
MAR	0.09	SEP	3.54
APR	2 680	OCT	15.6
MAY	12 500	NOV	---
JUN	847	DEC	---

TOTAL DISCHARGE, 16 200 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS DERIVED FROM GRAPH OF OBSERVED READINGS

MINES CREEK NEAR FAIRVIEW - STATION NO 07FD008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0078	5.888	4.22	2.18	0.036	0	0	0	---	---	1
2	---	---	0.0058	5.478	4.48	1.83	0.032	0	0	0	---	---	2
3	---	---	0.0108	5.268	4.72	1.61	0.030E	0	0	0	---	---	3
4	---	---	0.0208	4.398	4.77	1.50	0.028	0	0	0	---	---	4
5	---	---	0.0258	5.118	5.14	2.35	0.024	0	0	0	---	---	5
6	---	---	0.0108	5.768	7.24	1.80	0.012	0	0	0	---	---	6
7	---	---	0.0058	6.448	8.16	1.17	0	0	0	0	---	---	7
8	---	---	0 B	8.008	9.35	1.03	0	0	0	0	---	---	8
9	---	---	0 B	7.648	10.3	0.963	0	0	0	0	---	---	9
10	---	---	0 B	7.348	10.6	0.852	0	0	0	0	---	---	10
11	---	---	0 B	8.408	10.8	0.794	0	0	0	0	---	---	11
12	---	---	0 B	5.378	15.0	0.597	0	0	0	0	---	---	12
13	---	---	0 B	4.158	17.1	0.436	0.037E	0	0	0	---	---	13
14	---	---	0 B	3.128	15.1	0.400	0.073	0	0	0	---	---	14
15	---	---	0 B	2.588	14.4	0.345	0.075	0	0	0	---	---	15
16	---	---	0 B	1.648	13.5	0.280	0.088	0	0	0	---	---	16
17	---	---	0.0108	1.468	13.3	0.236	0.061	0	0	0	---	---	17
18	---	---	0.0358	2.848	12.4	0.192E	0.022	0	0	0	---	---	18
19	---	---	0.1558	4.318	10.4	0.148	0.020	0	0	0	---	---	19
20	---	---	0.3858	5.198	10.5	0.140	0.018	0	0	0	---	---	20
21	---	---	0.6008	5.92	10.9	0.138	0.018	0	0	0	---	---	21
22	---	---	0.6588	5.00E	10.2	0.128	0.020	0	0	0	---	---	22
23	---	---	0.4608	4.19	9.00	0.130	0.076	0	0	0	---	---	23
24	---	---	0.1558	4.34	8.14	0.276	0.063	0	0	0	---	---	24
25	---	---	0.4368	4.58	8.90	0.284	0.057	0	0	0	---	---	25
26	---	---	2.53 B	4.83	5.60	0.256	0.053	0	0	0	---	---	26
27	---	0.0058	5.10 B	4.77	4.98	0.228	0.042E	0	0	0	---	---	27
28	---	0.0078	6.42 B	4.65	4.32	0.172	0.030	0	0	0B	---	---	28
29	---		7.32 B	4.41	4.00	0.093	0.003	0	0	0B	---	---	29
30	---		7.42 B	4.19	3.80	0.041	0	0	0	0B	---	---	30
31	---		8.72 B		2.78		0	0		0B		---	31
TOTAL	---	---	38.706	147.24	273.09	20.679	0.917	0	0	0	---	---	TOTAL
MEAN	---	---	1.25	4.91	8.81	0.689	0.030	0	0	0	---	---	MEAN
MAX	---	---	7.42	8.40	17.1	2.35	0.087	0	0	0	---	---	MAX
MIN	---	---	0	1.46	2.78	0.041	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.86
MAXIMUM DAILY, 17.1 ON MAY 13
MINIMUM DAILY, 0B ON MAR 8
MAXIMUM INSTANTANEOUS,
17.9 AT 01:00 MST ON MAY 13

TYPE OF GAUGE - MANUAL
LOCATION - LAT 56 04 05 N
LONG 118 39 35 W
DRAINAGE AREA, 1 240 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	78 2
FEB	---	AUG	0
MAR	3 [illegible]	SEP	0
APR	12 [illegible]	OCT	0
MAY	23 600	NOV	---
JUN	1 790	DEC	---

TOTAL DISCHARGE, 41 500 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS DERIVED FROM GRAPH OF OF OBSERVED READINGS

HORSE CREEK NEAR VALLEYVIEW - STATION NO 07GF007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.0098	0.057B	0.010	0.001	0.004E	0	0.006	---	---	1
2	---	---	---	0.012B	0.064B	0.009E	0.001	0.003E	0	0.008	---	---	2
3	---	---	---	0.031B	0.065B	0.008E	0.001	0.003E	0	0.007	0.0058	---	3
4	---	---	---	0.049B	0.071	0.007E	0	0.003E	0	0.012	---	---	4
5	---	---	---	0.049B	0.068	0.006E	0.001	0.002E	0	0.010	0.0058	---	5
6	---	---	---	0.075B	0.054	0.005E	0.001	0.001	0	0.008	---	---	6
7	---	---	---	0.075B	0.045	0.004E	0.001	0.001	0	0.009	---	---	7
8	---	---	---	0.072B	0.040	0.003E	0.001	0.001	0	0.008	---	---	8
9	---	---	---	0.084B	0.037	0.002E	0.001	0.002E	0	0.008	---	---	9
10	---	---	---	0.058B	0.032	0.002	0.001	0.003E	0	0.008	---	---	10
11	---	---	---	0.078B	0.027	0.002	0.001	0.003E	0.001	0.005	---	---	11
12	---	---	---	0.078B	0.025	0.002	0.001	0.001	0.001	0.004	---	---	12
13	---	---	---	0.072B	0.027	0.002	0.001	0.001	0	0.005	---	---	13
14	---	---	0 B	0.047B	0.038	0.001	0.002	0.001	0	0.004	---	---	14
15	---	---	---	0.034B	0.040	0.002	0.006	0 E	0	0.004	---	---	15
16	---	---	---	0.033B	0.038	0.002	0.007	0 E	0	0.004	---	---	16
17	---	---	0 B	0.105B	0.035	0.003	0.010	0 E	0	0.003	---	---	17
18	---	---	0 B	0.245B	0.030	0.003	0.010	0 E	0	0.003	---	---	18
19	---	---	0.0018	0.209B	0.028	0.004	0.006	0 E	0	0.003	---	---	19
20	---	---	0.0078	0.132B	0.026	0.004	0.004	0 E	0	0.003	---	---	20
21	---	---	---	0.123B	0.038	0.003	0.002	0	0	0.003	---	---	21
22	---	---	---	0.134B	0.056	0.001	0.002	0	0	0.003	---	---	22
23	---	---	---	0.088B	0.054	0.002	0.017	0	0	0.003	---	---	23
24	---	---	0.0028	0.057B	0.048	0.002	0.020	0	0	0.003	---	---	24
25	---	---	---	0.047B	0.041	0.001	0.011	0	0	0.002	---	---	25
26	---	---	0.0038	0.042B	0.033	0.001	0.009	0	0.002	0.003	---	---	26
27	---	---	---	0.037B	0.029	0.001	0.008E	0	0.008	0.003	---	---	27
28	---	---	---	0.036B	0.025	0.001	0.005E	0	0.006	0.0048	---	---	28
29	---		0.0138	0.051B	0.020	0.001	0.008E	0	0.003	0.0048	---	---	29
30	---		0.0278	0.056B	0.017	0.001	0.010E	0	0.005	0.0048	---	---	30
31	---		0.0148		0.013		0.008E	0		0.0058		---	31
TOTAL	---	---	---	2.224	1.261	0.095	0.159	0.029	0.024	0.157	---	---	TOTAL
MEAN	---	---	---	0.074	0.041	0.003	0.005	0.001	0.001	0.005	---	---	MEAN
MAX	---	---	---	0.245	0.080	0.010	0.020	0.004	0.008	0.012	---	---	MAX
MIN	---	---	---	0.009	0.013	0.001	0	0	0	0.002	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.018
MAXIMUM DAILY, 0.245B ON APR 18
MINIMUM DAILY, 0 ON JUL 4
MAXIMUM INSTANTANEOUS,
0.290 AT 18:33 MST ON APR 22

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 55 19 N
LONG 117 48 47 W
DRAINAGE AREA, 4.27 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	13.7
FEB	---	AUG	2.51
MAR	---	SEP	2.25
APR	192	OCT	13.6
MAY	109	NOV	---
JUN	8.21	DEC	---

TOTAL DISCHARGE, 341 dam³

HOUSE RIVER AT HIGHWAY NO. 63 - STATION NO. 07CB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.634B	0.640B	3.13	5.80	3.10	10.8	2.36	1.58	0.880B	---	1
2	---	---	0.634B	0.920B	3.20	5.37	2.83	10.4	2.30	1.52	0.940B	---	2
3	---	---	0.634B	1.56 B	3.46	5.00	2.78	9.88	2.24	1.49	1.05 B	---	3
4	---	---	0.634B	2.56 B	3.54	4.75	2.80	9.37	2.17	1.46	1.16 B	---	4
5	---	---	0.634B	3.46 B	3.69	4.49	3.36	8.82	2.13	1.48	---	---	5
6	---	---	0.634B	5.11 B	3.85	4.25	3.99	8.42	2.09	1.51	---	---	6
7	---	---	0.634B	6.19 B	3.95	4.08	4.28	8.03	2.04	1.42	---	---	7
8	---	---	0.634B	7.33 B	4.03	3.91	4.34	7.82	1.98	1.22	---	---	8
9	---	---	0.634B	6.70 B	4.09	3.68	4.31	7.75	1.95	1.21	---	---	9
10	---	---	0.634B	4.46 B	4.19	3.42	4.35	7.48	1.89	1.16	---	---	10
11	---	---	0.634B	3.40 B	4.41	3.39	4.51	7.08	1.81	1.17	---	---	11
12	---	---	0.634B	2.90 B	4.40	3.65	4.75	6.74	1.74	1.12	---	---	12
13	---	---	0.634B	2.50 B	4.48	4.17	5.18	6.37	1.69	1.09	---	---	13
14	---	---	0.634B	2.20 B	4.50	4.18	6.10	5.99	1.64	1.09	---	---	14
15	---	---	0.634B	2.00 B	4.44	4.00	7.62	5.62	1.60	1.09	---	---	15
16	---	---	0.634B	1.98 B	4.30	3.79	8.31	5.34	1.58	1.07	---	---	16
17	---	---	0.634B	1.96 B	4.13	3.43	10.8	5.07	1.56	1.07	---	---	17
18	---	---	0.634B	1.98 B	3.99	3.21	14.7	4.70	1.54	1.06	---	---	18
19	---	---	0.634B	2.00 B	3.94	3.20	18.0	4.48	1.51	1.05	---	---	19
20	---	---	0.634B	2.50 B	3.89	3.70	19.0	4.28	1.47	1.06	---	---	20
21	---	---	0.634B	3.20 B	3.77	4.27	18.5	4.00	1.44	1.03	---	---	21
22	---	---	0.634B	4.00 B	4.20	5.01	17.6	3.85	1.43	0.991	---	---	22
23	---	---	0.634B	5.54 B	5.35	5.29	16.5	3.68	1.41	0.957	---	---	23
24	---	---	0.634B	5.63 B	5.30	5.30	15.5	3.44	1.40	0.925	---	---	24
25	---	---	0.634B	5.15 B	5.95	5.01	14.9	3.28	1.33	0.898	---	---	25
26	---	---	0.640B	3.43 B	7.16	4.58	14.2	3.12	1.32	0.879	---	---	26
27	---	---	0.650B	3.10 B	7.26	4.27	13.7	2.97	1.46	0.884	---	---	27
28	---	---	0.670B	3.17	7.12	4.03	13.1	2.78	1.61	0.868	---	---	28
29	---		0.690B	3.15	6.81	3.70	12.4	2.64	1.65	0.860B	---	---	29
30	---		0.730B	3.13	6.50	3.37	11.8	2.54	1.64	0.840B	---	---	30
31	---		0.780B		6.08		11.4	2.45		0.860B		---	31
TOTAL	---	---	20.010	102.070	147.11	126.50	295.89	178.15	51.98	34.922	---	---	TOTAL
MEAN	---	---	0.645	3.40	4.75	4.22	9.54	5.78	1.73	1.13	---	---	MEAN
MAX	---	---	0.780	7.33	7.26	5.80	19.0	10.8	2.36	1.58	---	---	MAX
MIN	---	---	0.634	0.840	3.13	3.20	2.78	2.45	1.32	0.840	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.91
MAXIMUM DAILY, 19.0 ON JUL 20
MINIMUM DAILY, 0.634B ON MAR 1
MAXIMUM INSTANTANEOUS,
19.1 AT 11:39 MST ON JUL 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 38 30 N
LONG 112 09 25 W
DRAINAGE AREA, 764 km²

B - ICE CONDITIONS

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	25 600
FEB	---	AUG	15 500
MAR	1 730	SEP	4 490
APR	8 820	OCT	3 020
MAY	12 700	NOV	---
JUN	10 900	DEC	---

TOTAL DISCHARGE, 82 800 dam³

MUTCH LAKE TRIBUTARY NEAR HIGH LEVEL - STATION NO. 07OB007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.604B	0.291	0.781	0.333	0.084	0.059	---	---	1
2	---	---	0B	0 B	0.585B	0.309	0.798	0.306	0.081	0.051	---	---	2
3	---	---	0B	0.002B	0.578B	0.270	0.714	0.267	0.072	0.066	---	---	3
4	---	---	0B	0.005B	0.578B	0.264	0.683	0.236	0.068	0.054	---	---	4
5	---	---	0B	0.007B	0.635	0.261	0.655	0.225	0.061	0.049	---	---	5
6	---	---	0B	0.012B	0.579	0.245	0.568	0.198	0.054	0.068	---	---	6
7	---	---	0B	0.014B	0.525	0.226	0.516	0.181	0.050	0.072	---	---	7
8	---	---	0B	0.009B	0.478	0.210	0.463	0.179	0.042	0.052	---	---	8
9	---	---	0B	0.003B	0.489	0.189	0.423	0.155	0.039	0.058	---	---	9
10	---	---	0B	0.002B	0.424	0.167	0.391	0.155	0.034	0.051	---	---	10
11	---	---	0B	0.002B	0.416	0.150	0.408	0.142	0.034	0.046	---	---	11
12	---	---	0B	0.001B	0.427	0.173	0.459	0.133	0.030	0.048	---	---	12
13	---	---	0B	0 B	0.395	0.160	0.450	0.123	0.028	0.045	---	---	13
14	---	---	0B	0 B	0.419	0.143	0.449	0.131	0.029	0.039	---	---	14
15	---	---	0B	0.001B	0.376	0.129	0.437	0.125	0.026	0.037	---	---	15
16	---	---	0B	0.003B	0.333	0.114	0.419	0.103	0.026	0.034	---	---	16
17	---	---	0B	0.015B	0.357	0.108	0.384	0.102	0.028	0.035	---	---	17
18	---	0B	0B	0.042B	0.404	0.102	0.344	0.094	0.030	0.038	---	---	18
19	---	0B	0B	0.028B	0.352	0.186	0.323	0.083	0.030	0.039	---	---	19
20	---	0B	0B	0.049B	0.371	0.867	0.330	0.080	0.029	0.039	---	---	20
21	---	0B	0B	0.034B	0.432	1.08	0.344	0.083	0.030	0.035	---	---	21
22	---	0B	0B	0.040B	0.463	1.30	0.384	0.088	0.030	0.035	---	---	22
23	---	0B	0B	0.041B	0.445	1.48	0.367	0.086	0.030	0.035	---	---	23
24	---	0B	0B	0.152B	0.415	1.46	0.357	0.092	0.033	0.034	---	---	24
25	---	0B	0B	0.272B	0.407	1.43	0.333	0.094	0.034	0.030	---	---	25
26	---	0B	0B	0.489B	0.388	1.39	0.315	0.094	0.035	0.031	---	---	26
27	---	0B	0B	0.458B	0.374	1.31	0.294	0.095	0.043	0.042B	---	---	27
28	---	0B	0B	0.441B	0.332	1.17	0.287	0.097	0.055	0.024B	---	---	28
29	---		0B	0.714B	0.295	1.03	0.333	0.095	0.063	0.017B	---	---	29
30	---		0B	0.620B	0.261	0.882	0.357	0.095	0.058	0.010B	---	---	30
31	---		0B		0.287		0.327	0.088		0.008B		---	31
TOTAL	---	---	0	3.445	13.426	17.095	13.673	4.300	1.287	1.293	---	---	TOTAL
MEAN	---	---	0	0.115	0.433	0.570	0.441	0.138	0.043	0.042	---	---	MEAN
MAX	---	---	0	0.714	0.635	1.48	0.798	0.333	0.084	0.072	---	---	MAX
MIN	---	---	0	0	0.261	0.102	0.287	0.056	0.026	0.008	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.223
MAXIMUM DAILY, 1.48 ON JUN 23
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.58 AT 05:00 MST ON JUN 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 43 05 N
LONG 117 14 27 W
DRAINAGE AREA, 103 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 180
FEB	---	AUG	372
MAR	0	SEP	111
APR	298	OCT	112
MAY	1 160	NOV	---
JUN	1 480	DEC	---

TOTAL DISCHARGE, 4 710 dam³

IDSEGUN RIVER NEAR LITTLE SMOKY - STATION NO. 07EG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.830B	10.6B	51.2	18.0	3.88	15.8	1.22	18.4	---	---	1
2	---	---	1.28 B	10.3B	46.6	16.1	3.48	14.2	1.28	19.8	---	---	2
3	---	---	1.26 B	11.0B	43.8	14.3	3.05	12.5	1.29	20.5	---	---	3
4	---	---	1.17 B	13.2B	43.6	12.6	2.78	11.2	1.30	21.3	---	---	4
5	---	---	1.47 B	15.0B	44.2	11.3	2.86	10.2	1.28	32.1	---	---	5
6	---	---	1.30 B	16.5B	44.8	10.5	4.27	9.46	1.38	36.9	---	---	6
7	---	---	1.10 B	19.8B	45.4	9.41	7.67	8.51	1.44	30.4	---	---	7
8	---	---	0.920B	25.4B	42.5	8.89	7.18	7.72	1.40	25.8	---	---	8
9	---	---	0.830B	29.5B	43.0	8.21	6.81	6.85	1.38	22.6	---	---	9
10	---	---	0.830B	35.7B	42.4	7.74	8.14	6.06	1.36	20.3	---	---	10
11	---	---	0.870B	28.9	38.2	7.75	7.19	5.55	1.53	18.2	---	---	11
12	---	---	0.780B	21.7	34.7	8.55	9.28	5.00	1.56	16.4	---	---	12
13	---	---	0.770B	20.0	32.4	9.51	12.2	4.64	2.87	15.0	---	---	13
14	---	---	0.790B	19.4	31.5	8.86	18.4	4.09	4.14	13.8	---	---	14
15	---	---	0.810B	18.8	30.0	8.41	28.3	3.57	3.59	12.8	---	---	15
16	---	---	0.820B	20.1	28.3	9.26	36.9	3.20	3.02	11.9	---	---	16
17	---	---	0.880B	29.2	27.2	11.6	47.9	2.79	2.58	11.1	---	---	17
18	---	---	0.980B	45.1B	25.8	12.7	53.6	2.51	2.26	10.2	---	---	18
19	---	---	1.15 B	80.1	24.6	12.4	78.4	2.30	1.97	9.41	---	---	19
20	---	---	1.47 B	62.3	23.7	12.4	67.4	2.15	1.83	8.86	---	---	20
21	---	---	2.49 B	69.5	23.5	11.8	49.4	1.97	1.69	8.13	---	---	21
22	---	---	4.66 B	72.3	26.4	10.2	35.4	1.82	1.64	7.53	---	---	22
23	---	---	3.10 B	64.7	34.2	8.64	30.3	1.67	1.60	7.08	---	---	23
24	---	0.630B	2.85 B	56.0	41.9	7.51	39.7	1.63	1.57	6.62	---	---	24
25	---	0.850B	1.62 B	49.0	39.8	7.05	42.7	1.58	1.63	6.16	---	---	25
26	---	0.790B	1.57 B	43.6	34.4	6.59	33.7	1.48	2.07	5.85	---	---	26
27	---	0.680B	3.34 B	41.5	30.1	5.90	27.4	1.42	4.48	5.57	---	---	27
28	---	0.670B	7.91 B	42.2	26.9	5.29	24.0	1.38	11.1	5.30A	---	---	28
29	---	---	10.8 B	46.6	24.6	4.77	21.7	1.36	18.0	4.85E	---	---	29
30	---	---	11.4 B	52.2	22.0	4.35	19.8	1.32	18.3	4.75E	---	---	30
31	---	---	10.9 B		19.8		17.7	1.25		4.85E	---	---	31
TOTAL	---	---	80.880	1 053.0	1 087.5	290.59	750.26	155.24	100.54	442.36	---	---	TOTAL
MEAN	---	---	2.61	35.1	34.4	9.69	24.2	5.01	3.35	14.3	---	---	MEAN
MAX	---	---	11.4	72.3	51.2	18.0	78.4	15.9	18.3	36.9	---	---	MAX
MIN	---	---	0.780	10.3	19.8	4.35	2.78	1.25	1.22	4.85	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 16.1
MAXIMUM DAILY, 78.4 ON JUL 19
MINIMUM DAILY, 0.780B ON MAR 12
MAXIMUM INSTANTANEOUS,
84.2 AT 12:00 MST ON JUL 19

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 44 43 N
LONG 117 09 04 W
DRAINAGE AREA, 1 950 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	64 800
FEB	---	AUG	13 400
MAR	5 590	SEP	4 590
APR	91 000	OCT	38 200
MAY	92 200	NOV	---
JUN	25 100	DEC	---

TOTAL DISCHARGE, 340 000 dam³

IRON CREEK NEAR HARDISTY - STATION NO. 05FB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.070B	8.86	0.631	0.355	0.025	1.27	0.036	0.760E	0.111	---	1
2	---	---	0.075B	8.72	0.581	0.316	0.021	1.27	0.019	0.840E	0.104	---	2
3	---	---	0.080B	7.80	0.577	0.248	0.031	1.20	0.018	0.540E	0.106	---	3
4	---	---	0.087B	6.52	0.509	0.243	0.030	1.02	0.025	0.490E	0.244	---	4
5	---	---	0.094B	5.38	0.473	0.229	0.029	0.908	0.018	0.445E	0.147A	---	5
6	---	---	0.107B	4.52	0.447	0.229	0.045	0.778	0.016	0.410E	---	---	6
7	---	---	0.158B	3.81	0.430	0.211	0.049	0.678	0.018	0.380E	---	---	7
8	---	---	0.040B	3.25	0.383	0.204	0.037	0.625	0.021	0.360E	---	---	8
9	---	---	0.019B	2.80	0.363	0.170	0.037	0.553	0.021	0.335E	---	---	9
10	---	---	0.020B	2.51	0.360	0.131	0.050	0.450	0.015A	0.308A	---	---	10
11	---	---	0.017B	2.30	0.382	0.163	0.065	0.386	0.018E	0.221	---	---	11
12	---	---	0.048B	2.05	0.317	0.127A	0.050	0.387	0.022E	0.213	---	---	12
13	---	---	0.103B	1.80	0.254	0.120E	0.050	0.490	0.080E	0.232	---	---	13
14	---	---	0.184B	1.84	0.233	0.110E	0.047	0.351	0.180E	0.293	---	---	14
15	---	---	0.288B	1.51	0.386	0.102E	0.043	0.259	0.205E	0.383	---	---	15
16	---	---	0.398B	1.60	0.586	0.098E	0.084	0.195	0.207E	0.250	---	---	16
17	---	---	0.589B	1.31	0.494	0.094A	0.280	0.148	0.201E	0.251	---	---	17
18	---	---	0.733B	1.22	0.599	0.126	0.788	0.114	0.185E	0.223	---	---	18
19	---	---	1.70 B	1.14	0.881	0.228	1.03	0.097	0.170E	0.188	---	---	19
20	---	---	3.45 B	1.07	0.570	0.312	1.20	0.084	0.155E	0.209	---	---	20
21	---	---	3.07 B	0.980	0.809	0.286	1.08	0.078	0.150E	0.619	---	---	21
22	---	---	3.10 B	0.817	0.858	0.473	0.977	0.085	0.145E	0.585	---	---	22
23	---	---	3.72 B	0.889	0.597	0.289	0.984	0.083	0.140E	0.484	---	---	23
24	---	---	5.11 B	0.803	0.592	0.187	0.838	0.057	0.145E	0.384	---	---	24
25	---	---	5.52 B	0.731	0.818	0.141	0.810	0.041	0.150E	0.249	---	---	25
26	---	0.050B	5.13 B	0.728	0.831	0.093	0.782	0.029	0.180E	0.189	---	---	26
27	---	0.055B	5.01 B	0.686	0.578	0.073	0.816	0.031	0.185E	0.147	---	---	27
28	---	0.060B	5.08 B	0.624	0.463	0.046	0.943	0.027	0.200E	0.119	---	---	28
29	---		7.45 B	0.845	0.469	0.042	1.01	0.021	0.400E	0.123	---	---	29
30	---		9.30 B	0.840	0.413	0.037	1.05	0.022	0.838E	0.158	---	---	30
31	---		10.1		0.382		1.15	0.038		0.143	---	---	31
TOTAL	---	---	71.825	77.088	14.988	5.503	14.461	11.711	4.122	10.279	---	---	TOTAL
MEAN	---	---	2.32	2.57	0.484	0.183	0.486	0.378	0.137	0.332	---	---	MEAN
MAX	---	---	10.1	5.86	0.858	0.473	1.20	1.27	0.836	0.760	---	---	MAX
MIN	---	---	0.017	0.624	0.233	0.037	0.021	0.021	0.015	0.119	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.857
MAXIMUM DAILY, 10.1 ON MAR 31
MINIMUM DAILY, 0.015A ON SEP 10

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 42 28 N
LONG 111 18 36 W
DRAINAGE AREA, 3 500 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 250
FEB	---	AUG	1 010
MAR	6 210	SEP	358
APR	6 680	OCT	888
MAY	1 300	NOV	---
JUN	475	DEC	---

TOTAL DISCHARGE, 18 100 dam³

IRON CREEK NEAR VIKING - STATION NO. 05FB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0658	1.26	0.007	0	0	0	0	0	0	---	1
2	---	---	0.0758	0.834	0.006	0	0	0	0	0	0	---	2
3	---	---	0.0858	0.622	0.060	0	0	0	0	0	0A	---	3
4	---	---	0.0958	0.473	0.024	0	0	0.001	0	0	---	---	4
5	---	---	0.1008	0.366	0.015	0	0	0	0	0	---	---	5
6	---	---	0.1038	0.293	0.009	0	0	0	0	0	---	---	6
7	---	---	0.1008	0.211	0.005	0	0	0	0	0	---	---	7
8	---	---	0.0808	0.162	0.003	0	0	0	0	0	---	---	8
9	---	---	0.0508	0.109	0.002	0	0	0	0	0	---	---	9
10	---	---	0.0308	0.077	0.001	0	0	0	0	0	---	---	10
11	---	---	0.0098	0.077	0	0	0.001	0	0	0	---	---	11
12	---	---	0.0078	0.065	0	0	0	0	0	0	---	---	12
13	---	---	0.0258	0.061	0	0	0	0	0	0	---	---	13
14	---	---	0.1608	0.055	0	0	0	0	0	0	---	---	14
15	---	---	0.3208	0.053	0.010	0	0	0	0	0	---	---	15
16	---	---	0.4808	0.045	0.038	0	0	0	0	0	---	---	16
17	---	---	0.6008	0.044	0.031	0	0	0.002	0	0	---	---	17
18	---	---	0.7308	0.042	0.021	0	0	0	0	0	---	---	18
19	---	---	0.8608	0.043	0.013	0	0	0	0	0	---	---	19
20	---	---	0.9458	0.037	0.008	0	0	0	0	0	---	---	20
21	---	---	1.11 B	0.029	0.004	0	0	0	0	0	---	---	21
22	---	---	1.29 B	0.025	0.131	0	0	0	0	0	---	---	22
23	---	---	1.73 B	0.020	0.083	0	0	0	0	0	---	---	23
24	---	---	1.72 B	0.016	0.042	0	0	0	0	0	---	---	24
25	---	---	1.84 B	0.013	0.024	0	0	0	0	0	---	---	25
26	---	---	1.58 B	0.011	0.012	0	0	0	0	0	---	---	26
27	---	---	1.40	0.009	0.005	0	0	0	0	0	---	---	27
28	---	---	2.49	0.009	0.002	0	0	0	0	0	---	---	28
29	---		2.58	0.008	0	0	0.001	0	0	0	---	---	29
30	---		2.08	0.008	0	0	0	0	0	0	---	---	30
31	---		1.85		0		0	0		0		---	31
TOTAL	---	---	24.599	5.077	0.556	0	0.004	0.001	0	0	---	---	TOTAL
MEAN	---	---	0.794	0.169	0.018	0	0	0	0	0	---	---	MEAN
MAX	---	---	2.58	1.26	0.131	0	0.002	0.001	0	0	---	---	MAX
MIN	---	---	0.007	0.008	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.123
MAXIMUM DAILY, 2.58 ON MAR 29
MINIMUM DAILY, 0 ON MAY 11
MAXIMUM INSTANTANEOUS,
2.76 AT 22:58 MST ON MAR 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 00 58 N
LONG 111 54 07 W
DRAINAGE AREA, 121 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0.35
FEB	---	AUG	0.09
MAR	2 130	SEP	0
APR	439	OCT	0
MAY	48.0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 2 620 dam³

ISLE LAKE AT EUREKA BEACH - STATION NO. 05EA008

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	729.964	729.838	729.759	730.281	730.039	729.985	---	---	1
2	---	---	---	729.873	729.959	729.835	729.756	730.276	730.033	---	---	---	2
3	---	---	---	---	729.954	729.827	729.756	730.268	---	729.979	---	---	3
4	---	---	---	---	729.948	729.815	729.757	730.268	730.024	729.983	---	---	4
5	---	---	729.735	---	729.944	729.804	729.745	730.264	730.014	729.987	729.877	---	5
6	---	---	---	---	729.935	729.798	729.707	730.267	730.010	729.987	---	---	6
7	---	---	---	---	729.931	729.790	729.716	730.257	730.010	729.981	---	---	7
8	---	---	---	---	729.931	729.785	729.720	730.247	729.993	---	---	---	8
9	---	---	---	---	729.933	729.775	729.713	730.238	729.987	---	---	---	9
10	---	---	---	---	729.933	729.773	729.716	730.228	729.985	729.969	---	---	10
11	---	---	---	---	729.923	729.768	729.717	730.218	---	729.967	---	---	11
12	---	---	---	---	729.913	729.764	729.747	730.211	729.986	729.965	---	---	12
13	---	---	---	---	729.913	729.750	729.759	730.199	729.988	729.963	---	---	13
14	---	---	---	---	729.909	729.749	729.772	730.189	---	729.957	---	---	14
15	---	---	---	---	729.921	729.754	729.772	730.177	---	729.951	---	---	15
16	---	---	---	729.881	729.914	729.757	729.812	730.164	729.979	729.947	---	---	16
17	---	---	---	---	729.914	729.751	---	730.152	729.977	729.945	---	---	17
18	---	---	---	---	729.912	729.760	730.036	730.142	---	729.939	---	---	18
19	---	---	---	---	729.913	729.766	730.233	730.131	729.967	729.937	---	---	19
20	---	---	---	---	729.905	729.760	730.315	730.121	729.963	729.935	---	---	20
21	---	---	---	---	---	729.751	730.327	730.108	729.963	729.929	---	---	21
22	---	---	---	---	---	729.743	730.338	730.102	729.961	729.926	---	---	22
23	---	---	---	---	729.904	729.731	730.338	730.094	---	729.921	---	---	23
24	---	---	---	---	729.897	729.736	730.338	730.090	729.947	729.917	---	---	24
25	---	---	729.821	729.824	729.894	729.732	730.335	730.081	---	729.913	---	---	25
26	---	---	---	729.944	729.887	729.728	730.328	730.075	---	729.969	---	---	26
27	---	---	---	---	729.881	729.723	730.320	730.067	729.975	---	---	---	27
28	---	---	---	---	729.873	729.719	730.316	730.061	729.977	---	---	---	28
29	---		---	---	729.872	729.753	730.302	730.056	729.975	---	---	---	29
30	---		---	---	729.864	729.763	730.298	730.050	---	---	---	---	30
31	---		---		729.854		730.291	730.044		729.885		---	31
MEAN	---	---	---	---	---	729.766	---	730.165	---	---	---	---	MEAN
MAX	---	---	---	---	---	729.838	---	730.281	---	---	---	---	MAX
MIN	---	---	---	---	---	729.719	---	730.044	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MAXIMUM DAILY, 730.338 ON JUL 24

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 37 22 N
LONG 114 42 01 W

DRAINAGE AREA,
278 km²

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

JACKFISH CREEK NEAR LA COREY - STATION NO. 06AC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.061B	0.513B	0.274	0.426	0.187	0.025	0.088	0.062	0.042B	---	1
2	---	---	0.061B	0.344B	0.304	0.334	0.159	0.018	0.147	0.049	0.042B	---	2
3	---	---	0.061B	0.333B	0.343	0.226	0.140	0.010	0.119	0.045	0.043B	---	3
4	---	---	0.061B	0.424B	0.347	0.252	0.120	0.007	0.088	0.038	0.046B	---	4
5	---	---	0.061B	0.513B	0.397	0.272	0.117	0.004	0.089	0.034	---	---	5
6	---	---	0.050B	0.586B	0.486	0.178	0.108	0.004	0.072	0.032	---	---	6
7	---	---	0.050B	0.653B	0.554	0.113	0.090	0.004	0.048	0.028	---	---	7
8	---	---	0.050B	0.686B	0.544	0.153	0.076	0.004	0.043	0.026	---	---	8
9	---	---	0.050B	0.798B	0.511	0.212	0.091	0.004	0.034	0.024	---	---	9
10	---	---	0.050B	0.862B	0.513	0.270	0.095	0.004	0.029	0.022	---	---	10
11	---	---	0.050B	0.500B	0.519	0.281	0.113	0.004	0.032	0.020	---	---	11
12	---	---	0.050B	0.545B	0.515	0.286	0.153	0.004	0.035	0.019	---	---	12
13	---	---	0.050B	0.606B	0.768	0.278	0.153	0.004	0.029	0.018	---	---	13
14	---	---	0.050B	0.722B	0.459	0.275	0.184	0.004	0.022	0.015	---	---	14
15	---	---	0.050B	0.712B	0.433	0.285	0.158	0.004	0.017	0.014	---	---	15
16	---	---	0.050B	0.937B	0.349	0.293	0.146	0.005	0.015	0.013	---	---	16
17	---	---	0.050B	1.05 B	0.315	0.257	0.140	0.007	0.017	0.015	---	---	17
18	---	---	0.050B	1.20 B	0.346	0.291	0.146	0.007	0.016	0.036	---	---	18
19	---	---	0.052B	1.14 B	0.584	0.291	0.178	0.007	0.012	0.041	---	---	19
20	---	---	0.052B	1.14 B	0.690	0.271	0.146	0.007	0.010	0.039	---	---	20
21	---	---	0.053B	0.941B	0.711	0.332	0.124	0.007	0.008	0.033	---	---	21
22	---	---	0.054B	0.588B	0.849	0.323	0.109	0.006	0.007	0.024	---	---	22
23	---	---	0.040B	0.412	0.923	0.302	0.097	0.005	0.005	0.020	---	---	23
24	---	---	0.040B	0.296	0.933	0.300	0.083	0.005	0.003	0.018	---	---	24
25	---	---	0.040B	0.281	0.909	0.295	0.073	0.004	0.002	0.017	---	---	25
26	---	---	0.040B	0.266	0.854	0.292	0.066	0.003	0.005	0.016	---	---	26
27	---	0.061B	0.050B	0.225	0.821	0.278	0.057	0.003	0.004	0.014	---	---	27
28	---	0.061B	0.076B	0.187	0.740	0.259	0.048	0.003	0.003	0.012	---	---	28
29	---		0.232B	0.198	0.650	0.238	0.048	0.003	0.030	0.011B	---	---	29
30	---		0.721B	0.238	0.572	0.213	0.041	0.003	0.063	0.024B	---	---	30
31	---		0.837B		0.509		0.036	0.003		0.042B	---	---	31
TOTAL	---	---	3.242	18.294	17.682	8.108	3.455	0.183	1.092	0.821	---	---	TOTAL
MEAN	---	---	0.105	0.610	0.570	0.270	0.111	0.005	0.036	0.026	---	---	MEAN
MAX	---	---	0.837	1.20	0.933	0.426	0.187	0.025	0.147	0.062	---	---	MAX
MIN	---	---	0.040	0.187	0.274	0.113	0.036	0.003	0.002	0.011	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.216
MAXIMUM DAILY, 1.20B ON APR 18
MINIMUM DAILY, 0.002 ON SEP 25
MAXIMUM INSTANTANEOUS,
1.59B AT 09:13 MST ON APR 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 26 30 N
LONG 110 41 10 W
DRAINAGE AREA, 495 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	299
FEB	---	AUG	15.8
MAR	280	SEP	54.3
APR	1 580	OCT	70.9
MAY	1 530	NOV	---
JUN	701	DEC	---

TOTAL DISCHARGE, 4 570 dam³

JACKFISH RIVER BELOW CHRISTINA LAKE - STATION NO. 07CE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2.40 B	2.278	1.89	3.26	1.56	23.2	4.29	1.81	---	---	1
2	---	---	2.25 B	2.308	2.01	2.94	1.51	22.2	4.02	1.82	---	---	2
3	---	---	2.10 B	2.358	2.16	2.80	1.45	21.3	3.72	1.79	---	---	3
4	---	---	1.89 B	2.258	2.25	2.83	1.45	20.1	3.83	1.75	---	---	4
5	---	---	1.17 B	2.108	2.24	2.77	1.54	19.0	3.57	1.72	---	---	5
6	---	---	0.823B	1.878	2.26	2.56	1.60	17.8	3.48	1.72	---	---	6
7	---	---	0.794B	1.69	2.35	2.48	1.70	16.6	3.39	1.68	---	---	7
8	---	---	0.708B	1.70	2.45	2.42	1.81	15.7	3.28	1.66	---	---	8
9	---	---	0.747B	1.56	2.45	2.23	1.86	15.2	3.18	1.64	---	---	9
10	---	---	0.733B	1.54	2.46	2.16	1.90	14.4	3.10	1.51	---	---	10
11	---	---	0.669B	1.76	2.51	2.22	1.96	13.6	2.89	1.59	---	---	11
12	---	---	0.577B	1.93	2.56	2.29	1.98	12.8	2.86	1.60	---	---	12
13	---	---	0.576B	1.88	2.63	2.27	2.06	12.0	2.75	1.57	---	---	13
14	---	---	0.564B	1.86	2.47	2.20	2.20	11.1	2.67	1.57	---	---	14
15	---	---	0.494B	1.70	2.35	2.14	2.39	10.2	2.64	1.58	---	---	15
16	---	---	0.430B	1.71	2.46	2.11	2.89	9.72	2.55	1.57	---	---	16
17	---	---	0.503B	1.72	2.58	2.05	3.86	9.20	2.45	1.55	---	---	17
18	---	---	0.403B	1.68	2.52	2.00	6.13	8.71	2.39	1.53	---	---	18
19	---	---	0.360B	1.66	2.50	1.99	8.54	7.98	2.33	1.53	---	---	19
20	---	---	0.342B	1.73	2.58	1.86	12.4	7.78	2.26	1.52	---	---	20
21	---	---	0.466B	1.75	2.50	1.84	17.1	7.25	2.19	1.50	---	---	21
22	---	---	0.554B	1.74	2.48	1.86	21.2	6.95	2.12	1.50	---	---	22
23	---	---	1.07 B	1.74	2.60	1.85	25.4	6.64	2.06	1.49	---	---	23
24	---	---	1.17 B	1.76	2.78	1.75	28.0	6.10	2.12	1.47	---	---	24
25	---	---	1.30 B	1.76	2.98	1.73	29.2	5.89	2.05	1.46	---	---	25
26	---	---	1.45 B	1.81	3.17	1.71	28.2	5.61	1.98	1.44	---	---	26
27	---	---	1.60 B	1.86	3.20	1.68	26.9	5.38	2.00	1.37	---	---	27
28	---	---	1.75 B	1.84	3.27	1.67	25.6	5.09	1.90	1.33	---	---	28
29	---		1.90 B	1.82	3.18	1.64	24.9	4.84	1.90	1.33	---	---	29
30	---		2.05 B	1.80	3.19	1.61	24.2	4.55	1.88	1.32	---	---	30
31	---		2.17 B		3.12		24.0	4.41		1.248	---	---	31
TOTAL	---	---	34.003	54.74	80.15	64.92	335.89	351.26	81.74	48.18	---	---	TOTAL
MEAN	---	---	1.10	1.82	2.59	2.16	10.8	11.3	2.72	1.55	---	---	MEAN
MAX	---	---	2.40	2.35	3.27	3.26	29.2	23.2	4.29	1.82	---	---	MAX
MIN	---	---	0.342	1.54	1.89	1.61	1.45	4.41	1.88	1.24	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.29
MAXIMUM DAILY, 29.2 ON JUL 25
MINIMUM DAILY, 0.342B ON MAR 20
MAXIMUM INSTANTANEOUS,
29.6 AT 21:18 MST ON JUL 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 40 25 N
LONG 111 05 00 W
DRAINAGE AREA, 1 280 km²

B - ICE CONDITIONS

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	28 800
FEB	---	AUG	30 300
MAR	2 940	SEP	7 080
APR	4 730	OCT	4 160
MAY	5 920	NOV	---
JUN	5 610	DEC	---

TOTAL DISCHARGE, 90 700 dam³

JACKPINE CREEK AT WADLIN LAKE ROAD - STATION NO. 07JD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0208	3.10	2.15	7.37	2.58	0.483	0.210	---	---	1
2	---	---	0 B	0.0108	3.34	2.04	5.97	2.24	0.428	0.212	---	---	2
3	---	---	0 B	0.0108	3.56	1.94	4.95	2.03	0.472	0.232	---	---	3
4	---	---	0 B	0.0158	3.55	1.78	4.26	2.34	0.482	0.226	---	---	4
5	---	---	0 B	0.0208	3.43	1.82	3.89	2.43	0.441	0.238	---	---	5
6	---	---	0 B	0.0408	3.17	1.92	3.72	2.01	0.383	0.269	---	---	6
7	---	---	0 B	0.2408	3.19	1.45	3.65	1.74	0.358	0.231	---	---	7
8	---	---	0 B	0.5668	4.37	1.34	3.65	1.60	0.308	0.380	---	---	8
9	---	---	0 B	0.8858	5.83	1.23	3.73	1.48	0.316	0.380	---	---	9
10	---	---	0 B	0.6468	6.02	1.12	3.84	1.40	0.303	0.373	---	---	10
11	---	---	0 B	0.7188	5.42	0.981	3.52	1.30	0.310	0.282	---	---	11
12	---	---	0 B	0.5418	4.80	0.890	3.37	1.20	0.259	0.396	---	---	12
13	---	---	0 B	0.5378	4.32	0.817	3.19	1.09	0.193	0.396	---	---	13
14	---	---	0 B	0.4238	3.92	0.783	3.02	1.01	0.188	0.409	---	---	14
15	---	---	0 B	0.8988	3.57	0.990	3.11	0.951	0.188	0.424	---	---	15
16	---	---	0 B	1.07 B	3.28	0.831	3.21	0.888	0.187	0.418	---	---	16
17	---	---	0 B	1.30 B	3.00	0.583	3.32	0.770	0.187	0.426	---	---	17
18	---	---	0 B	1.53 B	2.78	0.690	3.27	0.708	0.153	0.433	---	---	18
19	---	0.0018	0 B	1.77 B	2.57	1.33	3.21	0.661	0.139	0.432	---	---	19
20	---	0.0018	0 B	2.05 B	2.36	7.74	3.20	0.581	0.124	0.431	---	---	20
21	---	0.0018	0 B	2.18 B	2.45	13.1	3.08	0.522	0.098	0.434	---	---	21
22	---	0.0018	0 B	2.63 B	2.27	13.8	3.10	0.564	0.093	0.426	---	---	22
23	---	0.0018	0 B	2.81 B	2.40	35.5	3.35	0.310	0.092	0.421	---	---	23
24	---	0.0018	0 B	3.11 B	2.49	46.6	3.22	0.456	0.086	0.412	---	---	24
25	---	0 B	0 B	3.87 B	2.33	41.7	2.84	0.445	0.104	0.407	---	---	25
26	---	0 B	0 B	4.23 B	2.21	34.3	2.60	0.398	0.134	0.411	---	---	26
27	---	0 B	0.0028	4.11 B	2.21	25.5	2.44	0.415	0.170	0.447	---	---	27
28	---	0 B	0.0108	3.90	2.36	18.4	2.42	0.427	0.173	0.444A	---	---	28
29	---		0.0208	3.61	2.44	14.3	2.55	0.517	0.171	0.420E	---	---	29
30	---		0.0308	3.19	2.40	10.0	3.52	0.483	0.185	0.400E	---	---	30
31	---		0.0308		2.24		2.95	0.530		0.380E	---	---	31
TOTAL	---	---	0.092	47.328	101.37	286.475	110.38	34.127	7.182	11.602	---	---	TOTAL
MEAN	---	---	0.003	1.58	3.27	9.55	3.56	1.10	0.239	0.374	---	---	MEAN
MAX	---	---	0.030	4.23	6.02	46.6	7.37	2.95	0.482	0.447	---	---	MAX
MIN	---	---	0	0.010	2.21	0.583	2.42	0.310	0.092	0.210	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.44
MAXIMUM DAILY, 46.6 ON JUN 24
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
47.9 AT 21:30 MST ON JUN 23

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 35 N
LONG 115 45 00 W
DRAINAGE AREA, 582 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	9 540
FEB	---	AUG	3 950
MAR	7 95	SEP	821
APR	4 090	OCT	1 000
MAY	3 750	NOV	---
JUN	24 800	DEC	---

TOTAL DISCHARGE, 51 800 dam³

JAMES RIVER NEAR SUNDRE - STATION NO 05CA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.508	2.488	2.17	10.1	31.8	15.4	4.77	10.8	5.38	---	1
2	---	---	1.558	2.148	2.01	9.21	22.7	13.7	4.40	10.2	5.60	---	2
3	---	---	1.808	2.128	2.18	8.28	18.1	12.6	4.85	17.2	5.72A	---	3
4	---	---	1.638	2.068	4.32	7.61	14.5	13.8	5.28	16.3	---	---	4
5	---	---	1.508	2.278	13.9 A	7.13	14.2	13.0	5.63	15.4	---	---	5
6	---	---	1.458	2.518	13.2 A	6.93	13.8	15.8	5.51	17.3	---	---	6
7	---	---	1.408	2.68	10.3	8.68	12.6	12.8	5.73	17.4	---	---	7
8	---	---	1.358	2.76	9.00	8.66	11.8	11.0	5.12	17.9	---	---	8
9	---	---	1.378	2.88	9.40	13.8	10.4	10.3	4.80	16.5	---	---	9
10	---	---	1.408	2.87	9.10	10.3	12.0	9.36	4.54	15.8	---	---	10
11	---	---	1.428	2.30	9.86	8.62	9.86	8.68	5.01	14.4	---	---	11
12	---	---	1.448	1.85	9.27	8.42	9.24	11.2	5.28	13.4	---	---	12
13	---	---	1.478	1.74	7.89	7.60	11.0	11.1	4.88	12.6	---	---	13
14	---	---	1.498	1.73	8.01	6.80	10.6	9.82	4.83	11.8	---	---	14
15	---	---	1.518	1.81	5.67	6.81	9.95	8.32	4.70	11.2	---	---	15
16	---	---	1.528	1.78	7.24	6.67	26.8	7.32	4.68	10.7	---	---	16
17	---	---	1.538	1.81	15.7 A	6.89	86.4	6.69	7.82	10.3	---	---	17
18	---	---	1.548	2.26	19.8 E	5.40	129	8.21	10.3	9.75	---	---	18
19	---	---	1.578	2.85	24.0 E	5.30	87.6	5.78	9.36	9.24	---	---	19
20	---	---	1.618	3.29	28.5 E	5.01	45.2	5.55	8.33	8.89	---	---	20
21	---	---	1.678	4.30	33.9 A	4.62	33.2	5.28	8.43	8.58	---	---	21
22	---	---	1.738	4.63	42.4	4.25	27.3	5.11	7.84	8.18	---	---	22
23	---	---	1.808	3.94	25.9	4.05	28.8	5.20	7.28	7.87	---	---	23
24	---	---	1.908	2.88	18.7	3.81	25.2	5.23	8.88	7.57	---	---	24
25	---	---	2.068	2.72	15.8	3.85	21.1	5.49	9.33	7.30	---	---	25
26	---	---	2.088	2.80	15.5	3.83	23.4	5.40A	23.4	7.13	---	---	26
27	---	---	2.328	2.78	15.8	3.89	26.1	4.35A	22.8	6.87	---	---	27
28	---	---	2.558	2.82	14.6	4.24	20.8	4.11	21.1	6.75	---	---	28
29	---		2.808	2.85	13.6	9.08	21.3	3.81	19.4	6.58	---	---	29
30	---		2.808	2.41	12.3	80.2	22.2	4.33	17.8	6.45	---	---	30
31	---		2.788		11.1		18.0	5.64		6.02		---	31
TOTAL	---	---	54.43	78.08	431.35	247.38	646.34	282.38	282.18	385.36	---	---	TOTAL
MEAN	---	---	1.76	2.60	13.9	8.25	27.3	9.45	9.74	11.8	---	---	MEAN
MAX	---	---	2.80	4.63	42.4	80.2	129	15.8	23.4	18.6	---	---	MAX
MIN	---	---	1.35	1.73	2.01	3.85	9.24	3.81	4.40	6.02	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.4
MAXIMUM DAILY, 129 ON JUL 18
MINIMUM DAILY, 1.358 ON MAR 8
MAXIMUM INSTANTANEOUS,
170 AT 02:48 MST ON JUL 18

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 55 37 N
LONG 114 41 04 W
DRAINAGE AREA, 821 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	73 100
FEB	---	AUG	22 700
MAR	4 700	SEP	22 700
APR	6 750	OCT	31 800
MAY	27 300	NOV	---
JUN	21 400	DEC	---

TOTAL DISCHARGE, 220 000 dam³

JAYDOT RESERVOIR NEAR JAYDOT - STATION NO. 11AB058

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	921.031	920.867	920.785	920.728E	920.668	920.542	920.361	920.946	920.902	---	1
2	---	---	921.022	920.867	920.769	920.724E	920.658	920.537	920.361	920.978	920.906	---	2
3	---	---	921.018	920.854	920.760	920.722A	920.652	920.531	920.356	920.976	920.908A	---	3
4	---	919.991A	921.011	920.852	920.757	920.709	920.649	920.525	920.349	920.973	---	---	4
5	---	919.991	920.999	920.851	920.763	920.707	920.649	920.516	920.348	920.972	---	---	5
6	---	919.993	920.981	920.847	920.768	920.717	920.643	920.509	920.348	920.972	---	---	6
7	---	919.992	920.971	920.844	920.752	920.742	920.642	920.507	920.343	920.964	---	---	7
8	---	919.993	920.971	920.838	920.748	920.746	920.639	920.502	920.341	920.957	---	---	8
9	---	919.994	920.971	920.834	920.755	920.755	920.632	920.493	920.351	920.954	---	---	9
10	---	919.993	920.971	920.834	920.769	920.756	920.625	920.487	920.362	920.953	---	---	10
11	---	919.993	920.956	920.822	920.774	920.751	920.618	920.484	920.361	920.941	---	---	11
12	---	919.994	920.950	920.817	920.770	920.738	920.610	920.480	920.349	920.939	---	---	12
13	---	919.995	920.945	920.813	920.767	920.733A	920.605	920.472	920.341	920.942	---	---	13
14	---	919.993	920.943	920.820	920.762	920.729E	920.600	920.469	920.343	920.940	---	---	14
15	---	919.995	920.934	920.815	920.765	920.724E	920.594	920.460	920.347	920.938	---	---	15
16	---	919.994	920.929	920.818	920.760	920.719E	920.597	920.451	920.354	920.938	---	---	16
17	---	919.994	920.926	920.823	920.758	920.714E	920.617	920.442	920.365	920.936	---	---	17
18	---	919.994	920.924	920.817	920.767	920.709E	920.607	920.441	920.378	920.936	---	---	18
19	---	919.994	920.924	920.814	920.758	920.705E	920.653	920.432	920.499	920.933	---	---	19
20	---	919.993	920.924	920.807	920.762	920.700E	920.690	920.421	920.783	920.931	---	---	20
21	---	919.991	920.922	920.806	920.749	920.695E	920.697	920.416	920.814	920.921	---	---	21
22	---	919.985	920.917	920.805	920.746A	920.690E	920.693	920.411	920.818	920.928	---	---	22
23	---	919.985	920.900	920.800	920.744E	920.685E	920.692	920.408	920.819	920.922	---	---	23
24	---	919.985	920.886	920.786	920.742E	920.680E	920.690	920.404	920.818	920.922	---	---	24
25	---	919.986	920.897	920.787	920.740E	920.676A	920.688	920.395	921.416	920.922	---	---	25
26	---	920.289	920.893	920.784	920.738E	920.668	920.680	920.392	921.147	920.923	---	---	26
27	---	921.063	920.893	920.783	920.736E	920.659	920.674	920.386	921.062	920.920	---	---	27
28	---	921.029	920.894	920.783	920.734E	920.655	920.669	920.384	921.021	920.916	---	---	28
29	919.991A		920.888	920.774	920.732E	920.665	920.663	920.381	921.001	920.908	---	---	29
30	---		920.878	920.766	920.730E	920.671	920.651	920.376	920.993	920.910	---	---	30
31	---		920.878		920.728E		920.648	920.365		920.903		---	31
MEAN	---	---	920.941	920.818	920.753	920.709	920.602	920.452	920.585	920.941	---	---	MEAN
MAX	---	---	921.031	920.867	920.774	920.756	920.699	920.542	921.416	920.946	---	---	MAX
MIN	---	---	920.878	920.736	920.728	920.655	920.648	920.365	920.341	920.903	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MAXIMUM DAILY, 921.416 ON SEP 25
MINIMUM DAILY, 919.985 ON FEB 22
MAXIMUM INSTANTANEOUS,
921.818 AT 09:01 CST ON SEP 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 10 32 N
LONG 110 00 52 W

A - MANUAL GAUGE
E - ESTIMATES

REGULATED

DRAINAGE AREA
19.7 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

JOHNSTON CREEK NEAR THE MOUTH - STATION NO 05BA006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.359B	27.4	7.37	3.69	1.88	1.19	1.088	---	1
2	---	---	---	---	0.355B	26.3	7.78	3.85	1.83	1.18	1.088	---	2
3	---	---	---	---	0.376B	19.7	7.05	3.80	1.81	1.15	1.118	---	3
4	---	---	---	---	0.395B	13.2	5.45	3.59	1.77	1.15	---	---	4
5	---	---	---	---	0.424B	13.0	4.83	3.52	1.85	1.24	---	---	5
6	---	---	---	---	0.445B	13.0	4.53	3.30	1.71	1.46	---	---	6
7	---	---	---	---	0.435B	15.8	4.58	3.16	1.83	1.56	---	---	7
8	---	---	---	---	0.450B	14.9	4.69	3.15	1.84	1.60	---	---	8
9	---	---	---	---	0.470B	12.7	5.22	3.12	1.48	1.60	---	---	9
10	---	---	---	---	0.490B	13.0	5.09	2.98	1.46	1.54	---	---	10
11	---	---	---	---	0.485B	14.1	4.90	2.85	1.49	1.47	---	---	11
12	---	---	---	---	0.475E	11.1	4.87	3.12	1.37	1.41	---	---	12
13	---	---	---	---	0.480E	9.58	4.36	3.19	1.30	1.41	---	---	13
14	---	---	---	---	0.455E	10.1	4.12	2.82	1.25	1.35	---	---	14
15	---	---	---	---	0.490E	13.2	4.18	2.85	1.22	1.33	---	---	15
16	---	---	---	---	0.480E	9.87	4.00	2.52	1.22	1.31	---	---	16
17	---	---	---	---	0.540E	10.2	4.89	2.36	1.24	1.29	---	---	17
18	---	---	---	---	0.740E	12.7	5.32	2.21	1.15	1.27	---	---	18
19	---	---	---	---	1.00 E	13.7	5.71	2.14	1.17	1.23	---	---	19
20	---	---	---	---	1.80 A	9.31	7.88	2.03	1.15	1.21	---	---	20
21	---	---	---	---	2.14	6.92	7.25	1.84	1.13	1.20	---	---	21
22	---	---	---	---	2.10	6.49	6.42	1.89	1.13	1.18	---	---	22
23	---	---	---	---	2.11	7.50	6.18	1.88	1.10	1.15	---	---	23
24	---	---	---	---	2.41	12.0	5.41	1.85	1.09	1.14	---	---	24
25	---	---	---	---	3.84	10.8	4.81	1.78	1.23	1.15	---	---	25
26	---	---	---	---	9.17	8.83	5.03	1.79	1.31	1.13	---	---	26
27	---	---	---	---	22.6	7.78	4.95	1.87	1.30	1.34	---	---	27
28	---	---	---	---	27.8	7.34	4.58	1.69	1.24	1.24	---	---	28
29	---		---	---	28.9	10.4	4.41	1.60	1.18	1.068	---	---	29
30	---		---	---	27.3	9.73	3.92	1.89	1.17	1.058	---	---	30
31	---		---		26.3		3.70	1.84		1.038		---	31
TOTAL	---	---	---	---	155.263	367.93	184.19	79.84	41.45	39.83	---	---	TOTAL
MEAN	---	---	---	---	5.33	12.3	5.30	2.58	1.38	1.28	---	---	MEAN
MAX	---	---	---	---	28.9	27.4	7.75	3.80	1.88	1.60	---	---	MAX
MIN	---	---	---	---	0.355	5.49	3.70	1.67	1.09	1.02	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.65
MAXIMUM DAILY, 28.9 ON MAY 29
MINIMUM DAILY, 0.355B ON MAY 2
MAXIMUM INSTANTANEOUS,
37.8 AT 20:54 MST ON JUN 1

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 14 40 N
LONG 115 50 30 W
DRAINAGE AREA, 124 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	14 200
FEB	---	AUG	6 900
MAR	---	SEP	3 580
APR	---	OCT	3 420
MAY	16 360	NOV	---
JUN	31 880	DEC	---

TOTAL DISCHARGE, 76 300 dam³

JOSLYN CREEK NEAR FORT MACKAY - STATION NO. 07DA016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0308	13.5	1.03	0.624	1.57	0.058	0.178	0.1758	---	1
2	---	---	0 B	0.0358	13.7	0.900	0.615	1.39	0.059	0.183	0.1878	---	2
3	---	---	0 B	0.0408	17.8	0.789	0.617	1.25	0.057	0.189	---	---	3
4	---	---	0 B	0.0458	15.7	0.705	0.570	0.918	0.048	0.170	---	---	4
5	---	---	0 B	0.0608	14.4	0.678	0.493	0.786	0.081	0.184	---	---	5
6	---	---	0 B	0.1358	14.6	0.525	0.585	0.706	0.175	0.168	---	---	6
7	---	---	0.0108	0.1629	10.6	0.431	0.714	0.595	0.121	0.203	---	---	7
8	---	---	0.0208	0.4638	8.13	0.389	0.727	0.474	0.130	0.235	---	---	8
9	---	---	0.0308	1.23 B	6.84	0.364	0.698	0.415	0.130	0.330	---	---	9
10	---	---	0.0258	1.21 B	6.12	0.335	0.635	0.358	0.120	0.254	---	---	10
11	---	---	0.0208	2.27 B	5.32	0.314	0.562	0.319	0.084	0.261	---	---	11
12	---	---	0.0158	3.98 B	4.86	0.316	0.543	0.276	0.087	0.252	---	---	12
13	---	---	0.0108	5.50 B	4.20	0.273	0.521	0.222	0.077	0.249	---	---	13
14	---	---	0.0078	5.64 B	4.16	0.245	0.518	0.202	0.068	0.252	---	---	14
15	---	---	0.0038	7.33 B	3.25	0.233	0.664	0.186	0.073	0.229	---	---	15
16	---	---	0.0038	8.66 B	2.71	0.229	0.635	0.145	0.082	0.224	---	---	16
17	---	---	0.0038	9.51 B	2.15	0.226	0.619	0.131	0.081	0.222	---	---	17
18	---	---	0.0038	9.97 B	1.84	0.222	0.613	0.122	0.086	0.225	---	---	18
19	---	---	0.0038	11.4 B	1.55	0.262	0.611	0.132	0.101	0.213	---	---	19
20	---	---	0.0038	12.1 B	1.40	0.376	0.723	0.128	0.121	0.206	---	---	20
21	---	---	0.0038	13.2 B	1.36	1.52	0.760	0.127	0.119	0.193	---	---	21
22	---	---	0.0038	14.4 B	1.49	2.83	0.705	0.126	0.111	0.194	---	---	22
23	---	---	0.0038	16.0 B	3.90	2.47	0.611	0.123	0.102	0.183	---	---	23
24	---	---	0.0038	16.5 B	5.81	2.02	0.536	0.116	0.088	0.172	---	---	24
25	---	---	0.0108	17.9 B	5.80	1.48	0.473	0.112	0.096	0.184	---	---	25
26	---	---	0.0158	17.3 B	4.69	1.18	0.387	0.103	0.102	0.167	---	---	26
27	---	---	0.0208	16.8 B	3.49	1.00	0.319	0.100	0.112	0.167	---	---	27
28	---	---	0.0208	17.1 B	2.43	0.873	0.271	0.085	0.142	0.174	---	---	28
29	---		0.0208	16.3	1.80	0.795	0.267	0.086	0.139	0.1788	---	---	29
30	---		0.0238	14.8	1.47	0.681	0.855	0.092	0.155	0.1598	---	---	30
31	---		0.0258		1.23		1.94	0.063		0.1678		---	31
TOTAL	---	---	0.300	240.070	187.30	23.694	19.413	11.398	2.989	6.336	---	---	TOTAL
MEAN	---	---	0.010	8.00	6.04	0.790	0.626	0.368	0.100	0.204	---	---	MEAN
MAX	---	---	0.030	17.9	13.5	3.83	1.94	1.57	0.175	0.330	---	---	MAX
MIN	---	---	0	0.030	1.23	0.223	0.267	0.063	0.048	0.159	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.01
MAXIMUM DAILY, 17.98 ON APR 25
MINIMUM DAILY, .03 ON MAR 1
MAXIMUM INSTANTANEOUS,
19.98 AT 11:50 MST ON APR 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 16 27 N
LONG 111 44 30 W
DRAINAGE AREA, 257 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 680
FEB	---	AUG	985
MAR	25.8	SEP	258
APR	20 700	OCT	547
MAY	16 200	NOV	---
JUN	2 050	DEC	---

TOTAL DISCHARGE, 42 400 dam³

JUMPINGPOUND CREEK NEAR COX HILL - STATION NO. 05BH013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.070	1.42	0.374	0.372	0.198	0.445	0.320	---	1
2	---	---	---	---	0.080	1.26	0.358	0.354	0.182	0.455	0.340	---	2
3	---	---	---	---	0.114	1.12	0.371	0.337	0.176	0.488	0.3208	---	3
4	---	---	---	---	0.142	1.02	0.339	0.326	0.179	0.703	---	---	4
5	---	---	---	---	0.131	0.984	0.340	0.339	0.202	1.19	---	---	5
6	---	---	---	---	0.152	0.907	0.312	0.314	0.193	2.15	---	---	6
7	---	---	---	---	0.198	0.912	0.284	0.283	0.183	2.52	---	---	7
8	---	---	---	---	0.259	1.22	0.278	0.313	0.178	2.47	---	---	8
9	---	---	---	---	0.320	1.22	0.269	0.309	0.174	2.20	---	---	9
10	---	---	---	---	0.332	1.13	0.249	0.270	0.164	1.84	---	---	10
11	---	---	---	---	0.326	1.02	0.218	0.268	0.159	1.56	---	---	11
12	---	---	---	---	0.352	0.916	0.206	0.289	0.156	1.34	---	---	12
13	---	---	---	---	0.381	0.844	0.196	0.487	0.156	1.19	---	---	13
14	---	---	---	---	0.355	0.809	0.182	0.402	0.154	1.05	---	---	14
15	---	---	---	---	0.336	0.926	0.206	0.367	0.150	0.951	---	---	15
16	---	---	---	---	0.347	0.817	0.228	0.344	0.167	0.883	---	---	16
17	---	---	---	---	0.539	0.755	0.595	0.323	0.191	0.831	---	---	17
18	---	---	---	---	0.882	0.719	0.540	0.300	0.177	0.770	---	---	18
19	---	---	---	---	1.59	0.650	0.490	0.288	0.175	0.721	---	---	19
20	---	---	---	---	2.07	0.599	0.442	0.273	0.173	0.869	---	---	20
21	---	---	---	---	2.82	0.555	0.403	0.257	0.178	0.628	---	---	21
22	---	---	---	0.147A	2.56	0.508	0.403	0.240	0.174	0.548	---	---	22
23	---	---	---	0.137	2.04	0.464	0.412	0.228	0.181	0.552	---	---	23
24	---	---	---	0.185	1.71	0.464	0.754	0.215	0.178	0.521	---	---	24
25	---	---	---	0.102	2.00	0.413	0.329	0.204	0.272	0.495	---	---	25
26	---	---	---	0.085	2.44	0.377	0.380	0.193	0.281	0.479	---	---	26
27	---	---	---	0.087	2.51	0.354	0.381	0.180	0.275	0.472	---	---	27
28	---	---	---	0.083	2.29	0.347	0.329	0.174	0.288	0.437	---	---	28
29	---		---	0.094	1.89	0.491	0.446	0.173	0.317	0.405	---	---	29
30	---		---	0.072	1.75	0.410	0.391	0.291	0.379	0.391	---	---	30
31	---		---		1.58		0.387	0.246		0.333		---	31
TOTAL	---	---	---	---	32.768	23.633	10.682	8.963	6.016	24.727	---	---	TOTAL
MEAN	---	---	---	---	1.06	0.788	0.345	0.289	0.201	0.959	---	---	MEAN
MAX	---	---	---	---	2.82	1.42	0.595	0.487	0.379	2.52	---	---	MAX
MIN	---	---	---	---	0.070	0.347	0.182	0.173	0.150	0.333	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.808
MAXIMUM DAILY, 2.82 ON MAY 21
MINIMUM DAILY, 0.070 ON MAY 1
MAXIMUM INSTANTANEOUS,
3.14 AT 15:06 MST ON MAY 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 00 09 N
LONG 114 56 14 W
DRAINAGE AREA, 38.0 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	923
FEB	---	AUG	774
MAR	---	SEP	520
APR	---	OCT	2 570
MAY	2 830	NOV	---
JUN	2 840	DEC	---

TOTAL DISCHARGE, 9 860 dam³

JUMPINGPOUND CREEK NEAR THE MOUTH - STATION AD. 05BH005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2200	0.1800	0.8700	0.5888	0.563	5.41	3.61	2.08	0.836	5.84	2.62	0.7808	1
2	0.2100	0.2000	1.11 B	0.8548	0.534	4.89	2.71	1.68	0.733	7.51	2.55	0.7208	2
3	0.2100	0.2100	1.49 B	0.541	0.507	4.53	2.31	1.46	0.708	6.52	2.55	0.7008	3
4	0.2100	0.2000	1.26 B	0.803	0.831	4.04	2.10	1.36	0.680	5.49	2.64	0.7208	4
5	0.2208	0.1808	0.9368	0.814	1.73	3.88	2.14	1.27	0.799	5.41	2.58	0.7628	5
6	0.2308	0.1858	0.7088	0.842	3.43	4.83	2.16	1.25	0.938	6.01	2.58	0.8408	6
7	0.2328	0.1808	0.7358	0.868	3.47	4.38	1.94	1.15	0.913	7.20	2.43	0.7688	7
8	0.2349	0.1758	0.8008	0.816	3.10	4.83	1.71	1.08	0.830	8.01	2.01 B	0.7758	8
9	0.2350	0.1708	0.7298	0.617	2.92	5.40	1.75	1.11	0.787	8.08	1.85 B	0.7408	9
10	0.2409	0.1608	0.8618	0.622	2.87	5.52	1.72	1.16	0.709	7.66	1.80 B	0.6158	10
11	0.2408	0.1608	0.5458	0.605	3.29	4.42	1.46	1.05	0.682	6.93	1.30 B	0.5608	11
12	0.2408	0.1508	0.5328	0.583	4.12	3.89	1.38	1.11	0.677	6.22	1.10 B	0.5808	12
13	0.2408	0.1558	0.5488	0.683	3.67	3.32	1.50	1.17	0.647	5.69	1.06 B	0.5958	13
14	0.2358	0.1558	0.5788	0.901	3.51	3.01	1.51	1.26	0.657	5.22	1.35 B	0.6208	14
15	0.2308	0.1508	0.4998	0.819	3.35	3.34	1.51	1.17	0.564	4.81	1.56 B	0.6418	15
16	0.2408	0.1608	0.4618	0.581	2.89	3.71	2.14	1.05	0.863	4.45	1.47 B	0.5768	16
17	0.2558	0.1458	0.4588	0.851	4.17	3.20	7.61	0.980	1.20	4.15	1.56 B	0.5808	17
18	0.2558	0.1358	0.5078	0.890	5.01	3.84	11 7	0.924	1.76	3.89	1.49 B	0.5808	18
19	0.2500	0.1278	0.5008	0.667	5.78	3.86	7.22	0.859	1.56	3.68	1.21 B	0.6038	19
20	0.2408	0.1108	0.5288	0.843	6.36	3.36	5.05	0.831	1.29	3.50	0.9868	0.5308	20
21	0.2308	0.1208	0.5608	0.716	7.48	2.08	3.90	0.786	1.12	3.32	1.37 B	0.4688	21
22	0.2208	0.1408	0.6818	0.804	12.0	1.83	3.25	0.763	1.00	3.19	1.30 B	0.5158	22
23	0.2198	0.1858	0.5408	0.879	10.9	1.65	3.00	0.762	0.912	3.06	1.22 B	0.5168	23
24	0.2428	1.21 B	0.4058	0.912	9.08	1.56	2.88	0.734	0.848	2.94	1.24 B	0.4908	24
25	0.2538	2.89 B	0.4388	0.819	7.83	1.84	2.95	0.713	1.50	2.86	1.20 B	0.4708	25
26	0.2208	2.67 B	0.5308	0.787	7.72	1.60	3.15	0.711	7.76	2.80	1.10 B	0.4528	26
27	0.1908	1.21 B	0.7148	0.762	7.83	1.37	3.17	0.697	11 3	2.74	1.07 B	0.4328	27
28	0.1518	0.9188	0.6268	0.680	7.78	1.33	3.60	0.660	8.08	2.68	0.9008	0.4488	28
29	0.1748		0.5908	0.814	7.10	1.96	3.50	0.618	6.06	2.61	0.8008	0.4408	29
30	0.1578		0.6328	0.578	6.44	4.11	3.23	0.526	5.09	2.57	0.6968	0.4308	30
31	0.1588		0.5858		5.94		2.56	0.688		2.55		0.4208	31
TOTAL	6.880	12.860	21.104	19.687	186.025	100.54	98.22	31.630	61.574	147.59	47.322	18.345	TOTAL
MEAN	0.222	0.459	0.681	0.656	6.03	3.35	3.17	1.02	2.05	4.76	1.58	0.592	MEAN
MAX	0.255	2.89	1.49	0.912	12.0	5.40	11.7	2.08	11.3	8.08	2.64	0.840	MAX
MIN	0.151	0.110	0.405	0.488	0.507	1.33	1.38	0.526	0.647	2.55	0.696	0.420	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.88
MAXIMUM DAILY, 12.0 ON MAY 22
MINIMUM DAILY, 0.1108 ON FEB 20
MAXIMUM INSTANTANEOUS,
13.0 AT 00 24 MST ON JUL 10

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 09 16 N
LONG 114 21 42 W
DRAINAGE AREA 571 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	594	JUL	8 490
FEB	1 110	AUG	2 730
MAR	1 820	SEP	5 320
APR	1 700	OCT	12 800
MAY	13 500	NOV	4 090
JUN	8 690	DEC	1 590

TOTAL DISCHARGE, 62 400 dam³

KAKWA RIVER NEAR GRANDE PRAIRIE - STATION AD 07GB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	4 570	6 650	15 0	287	88 3	43 7	13 3	49 8	---	---	
2	---	---	5 080	5 490	12 9	277	84 1	39 9	12 9	39 8	---	---	1
3	---	---	5 300	6 060	14 6	310	85 5	37 5	13 1	32 5	---	---	2
4	---	---	5 980	5 980	31 8	174	81 7	38 0	14 8	40 7	---	---	3
5	---	---	5 800	6 430	60 6	168	85 5	35 9	20 4	53 3	---	---	4
6	---	---	5 260	5 760	91 8	175	116	32 9	19 5	53 8	---	---	5
7	---	---	4 770	7 030	65 7	201	122	29 8	16 3	50 7	---	---	6
8	---	---	3 960	7 570	47 2	183	116	27 8	14 6	44 7	---	---	7
9	---	---	3 910	10 5 B	50 5	166	112	26 4	13 5	39 1	---	---	8
10	---	---	3 870	8 240	46 9	150	100	24 9	12 4	35 2	---	---	9
11	---	---	3 890	9 190	63 1	159	89 1	23 2	12 3	31 1	---	---	10
12	---	---	3 860	7 760	37 9	146	79 7	21 8	12 8	27 8	---	---	11
13	---	---	3 800	7 710	35 1	133	71 5	20 9	13 2	25 5	---	---	12
14	---	---	3 820	7 740	31 9	113	66 0	20 2	12 6	24 0	---	---	13
15	---	---	3 820	6 940	28 0	161	62 2	19 5	12 4	22 5	---	---	14
16	---	---	3 870	7 150	27 4	190	117	18 7	12 2	21 4	---	---	15
17	---	---	4 040	7 420	28 7	149	210	17 5	12 6	20 5	---	---	16
18	---	3 288	4 240	7 350	44 4	132	285	16 6	12 5	19 4	---	---	17
19	---	3 188	4 650	9 600	55 9	127	247	16 1	12 0	18 5	---	---	18
20	---	3 198	5 540	15 0 B	91 9	111	178	16 0	11 6	18 1	---	---	19
21	---	3 028	5 480	20 0 B	113	97 4	138	15 5	11 2	17 3	---	---	20
22	---	2 938	5 610	22 0 B	105	91 2	116	14 6	10 8	16 8	---	---	21
23	---	2 988	6 400	20 5 B	92 4	102	105	14 1	10 7	16 1	---	---	22
24	---	2 998	8 380	19 0 B	86 9	128	102	13 4	10 6	15 5	---	---	23
25	---	3 108	8 850	16 7	101	115	88 1	13 5	11 7	15 0	---	---	24
26	---	3 248	5 450	15 4	185	98 0	82 0	13 5	25 9	14 9	---	---	25
27	---	3 588	5 040	15 9	306	86 5	72 3	13 2	41 7	15 2	---	---	26
28	---	4 358	5 880	16 6	316	80 3	65 7	12 8	30 9	16 2	---	---	27
29	---		7 230	17 6	318	79 6	62 6	12 8	32 0	16 6	---	---	28
30	---		6 310	16 3	301	89 4	55 0	13 1	51 6	16 8A	---	---	29
31	---		7 430		304		49 6	13 6		16 0E		---	30
TOTAL	---	---	161 48	338 88	3 087 2	4 358 6	3 349 2	677 3	512 5	844 8	---	---	31
MEAN	---	---	5 21	11 3	99 6	145	108	21 8	17 1	27 3	---	---	TOTAL
MAX	---	---	8 21	22 0	318	287	285	43 7	51 6	53 8	---	---	MEAN
MIN	---	---	3 80	5 98	13 8	79 6	49 6	12 8	10 6	14 9	---	---	MAX
													MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 94.3
MAXIMUM DAILY, 318 ON MAY 24
MINIMUM DAILY, 3.800 ON MAR 13
MAXIMUM INSTANTANEOUS,
355 AT 10 00 MST ON MAY 25

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 22 20 N
LONG 118 35 40 W
DRAINAGE AREA, 3 300 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	285 000
FEB	---	AUG	68 500
MAR	14 000	SEP	44 300
APR	29 300	OCT	73 000
MAY	264 000	NOV	---
JUN	377 000	DEC	---

TOTAL DISCHARGE, 1 150 000 dam³

KANANASKIS RIVER ABOVE POCATERRA CREEK - STATION NO 05BF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.30	0.057	0.057	17.0	16.3	18.3	12.9	0.028	14.2	0.057	7.18	14.1	1
2	14.6	0.057	0.057	17.0	16.2	21.2	0.057	0.028	13.3	1.90	7.14	17.2	2
3	14.4	11.4	14.1	16.6	0.057	24.7	3.54	0.028	11.3	0.057	19.9	20.1	3
4	5.78	11.1	9.88	16.2	0.057	23.3	8.57	0.028	10.0	0.057	16.8	19.5	4
5	7.63	11.7	7.90	0.028	16.2	16.5	4.42	1.84	9.74	0.057	17.2	19.6	5
6	14.3	11.2	19.4	0.028	15.5	17.5	3.63	0.057	5.83	0.057	15.7	14.6	6
7	14.4	15.8	18.0	16.1	0.057	24.7	4.39	0.028	5.55	1.67	21.1	7.56	7
8	14.5	0.057	0.170	16.1	0.057	24.7	0.028	0.028	5.86	0.057	8.98	19.6	8
9	13.8	0.057	0.028	16.3	0.057	24.7	0.028	0.057	5.89	0.257	8.83	19.5	9
10	14.6	9.43	17.3	16.1	0.057	24.7	0.028	0.057	7.19	0.057	20.1	19.9	10
11	7.22	15.9	15.8	16.1	0.057	24.6	0.028	0.057	7.31	0.057	19.9	19.9	11
12	6.82	15.4	15.7	0.028	5.09	24.6	0.028	1.95	7.14	0.057	20.2	19.7	12
13	12.6	15.5	15.9	0.028	5.00	24.6	0.028	0.057	7.25	0.057	13.7	13.0	13
14	13.3	15.5	18.0	16.1	5.92	24.6	2.83	0.057	6.99	2.04	17.5	8.38	14
15	15.6	1.53	1.02	16.1	5.83	24.6	0.028	0.057	8.67	0.057	7.45	19.8	15
16	11.6	0.085	0.028	16.3	5.49	24.5	0.028	0.028	8.72	0.057	7.33	19.8	16
17	11.9	15.7	17.3	16.7	0.057	24.5	0.057	0.028	5.61	0.057	10.1	15.7	17
18	5.07	15.6	17.0	14.6	7.22	24.5	0.057	1.67	0.057	0.057	11.9	19.5	18
19	5.68	18.5	16.0	0.028	0.085	24.4	0.057	0.028	0.057	0.057	14.1	19.3	19
20	14.2	18.5	16.9	0.028	0.085	24.5	0.057	4.47	0.057	0.057	17.2	14.5	20
21	9.05	18.3	16.9	18.8	0.113	24.4	2.75	4.36	0.057	2.58	9.71	0.057	21
22	6.20	4.56	0.057	15.9	5.47	24.3	0.057	5.47	0.057	8.83	8.52	9.43	22
23	8.33	0.028	1.19	16.0	5.60	21.3	0.057	5.82	0.057	14.5	12.5	19.4	23
24	15.3	11.3	17.0	16.2	5.97	14.1	0.028	5.71	1.50	16.8	18.2	19.7	24
25	6.94	12.7	17.5	16.3	5.78	15.9	0.028	7.05	0.057	0.057	19.9	17.0	25
26	7.02	14.6	16.8	8.61	5.60	24.7	0.028	10.1	0.057	0.057	20.5	17.0	26
27	16.0	14.6	16.8	8.55	10.9	25.0	0.057	8.67	0.057	10.5	20.0	16.8	27
28	8.61	14.9	17.2	16.1	13.7	25.0	1.84	12.0	0.057	5.92	12.9	16.8	28
29	10.1		0.028	17.3	18.5	25.0	0.057	15.0	0.057	6.51	14.0	19.4	29
30	10.1		0.028	16.6	18.2	25.1	0.057	15.0	0.057	9.37	7.08	17.0	30
31	17.2		17.4		18.4		0.057	15.0		16.9		19.3	31
TOTAL	337.04	295.151	342.543	375.828	210.805	690.5	43.785	116.761	142.734	98.703	426.73	513.127	TOTAL
MEAN	10.9	10.5	11.0	12.5	6.80	23.0	1.41	3.77	4.76	3.18	14.2	16.6	MEAN
MAX	17.2	18.5	18.4	17.3	18.5	25.1	12.9	15.0	14.2	16.9	21.1	20.1	MAX
MIN	4.30	0.028	0.028	0.028	0.057	14.1	0.028	0.028	0.057	0.057	7.08	0.057	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.85
MAXIMUM DAILY, 25.1 ON JUN 30
MINIMUM DAILY, 0.028 ON FEB 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 42 00 N
LONG 115 07 05 W
DRAINAGE AREA, 362 km²

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	29 100	JUL	3 780
FEB	25 500	AUG	10 100
MAR	29 600	SEP	12 300
APR	32 500	OCT	8 530
MAY	18 200	NOV	36 900
JUN	59 700	DEC	44 300

TOTAL DISCHARGE, 311 000 dam³

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED SINCE 1932

KANANASKIS RIVER BELOW BARRIER DAM - STATION NO 05BF025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.78	9.06	8.78	22.9	24.7	66.7	41.3	13.5	18.7	8.69	17.1	27.0	1
2	17.2	4.36	9.06	25.6	11.2	66.3	35.3	12.9	18.6	9.26	17.4	22.8	2
3	17.7	17.2	18.0	22.9	11.1	65.6	32.8	10.4	18.5	8.69	18.8	18.3	3
4	8.64	15.3	15.0	24.2	11.8	62.3	22.3	11.8	18.7	4.81	20.6	34.2	4
5	3.28	12.2	18.2	10.6	24.6	55.4	19.4	8.78	17.1	3.23	20.5	23.6	5
6	14.4	15.7	17.4	10.2	25.3	51.3	21.5	6.40	15.9	8.24	20.6	22.8	6
7	17.7	21.1	22.3	24.2	11.7	52.2	21.2	5.44	15.9	7.90	24.6	21.5	7
8	17.3	3.11	0.708	24.1	22.8	56.1	10.6	5.72	13.0	14.0	20.5	23.6	8
9	17.0	3.37	0.538	19.8	17.3	55.6	7.50	6.00	12.9	13.6	17.4	22.8	9
10	17.4	16.8	22.7	24.1	12.8	54.3	6.99	5.80	14.1	12.9	23.1	23.1	10
11	11.5	14.7	21.8	23.1	12.0	53.5	7.08	6.00	14.5	7.33	24.2	21.5	11
12	10.6	19.6	14.0	1.05	22.9	53.0	0.566	7.02	15.9	7.53	18.4	24.1	12
13	18.1	18.6	18.1	0.510	23.2	51.3	4.87	6.26	12.8	7.31	11.1	22.8	13
14	15.6	20.0	24.3	21.3	21.3	48.2	5.04	6.20	13.0	8.94	22.6	22.1	14
15	16.7	3.51	7.42	24.2	23.8	50.9	6.66	5.72	14.2	11.3	20.8	27.4	15
16	16.7	4.53	0.566	22.6	18.8	52.3	8.58	8.67	12.1	10.3	20.0	27.0	16
17	13.5	19.9	23.0	23.6	20.0	50.1	8.52	8.69	11.5	9.80	23.2	24.2	17
18	10.2	19.8	20.4	24.8	19.8	49.4	8.69	9.12	8.06	0.708	18.7	25.8	18
19	10.6	21.6	22.5	15.7	19.8	49.5	8.37	7.25	5.80	0.708	22.9	26.5	19
20	17.1	22.7	22.8	15.8	20.0	48.0	8.80	11.6	6.65	8.47	22.9	21.4	20
21	12.4	22.4	23.6	22.7	20.0	45.7	8.30	11.4	4.28	11.2	21.3	23.1	21
22	11.1	9.37	0.538	24.2	23.1	42.8	14.0	10.2	3.28	18.9	13.3	25.5	22
23	15.3	9.20	1.78	25.0	22.9	42.5	11.8	11.7	5.72	22.1	20.4	22.6	23
24	13.2	17.1	23.2	25.0	22.4	39.0	14.4	12.2	6.44	15.3	20.2	25.6	24
25	9.80	14.6	23.8	25.1	22.8	36.0	14.0	13.3	7.14	14.3	18.4	19.8	25
26	11.6	10.9	25.5	14.4	22.5	36.2	9.91	14.1	10.4	11.7	22.9	22.5	26
27	16.7	11.4	25.6	14.3	23.4	36.6	8.81	20.4	6.71	13.3	22.8	22.6	27
28	11.7	11.8	23.6	24.6	22.8	40.1	11.0	15.3	5.51	13.0	22.6	22.5	28
29	14.6		0.538	24.6	38.0	42.0	9.91	17.6	6.23	12.2	12.6	25.7	29
30	13.1		0.538	24.9	56.9	42.6	14.7	16.7	4.85	10.8	20.6	25.5	30
31	18.0		23.0		65.1		14.1	19.0		16.7		23.9	31
TOTAL	428.50	392.21	486.466	605.480	732.9	1 498.6	412.786	326.27	337.77	324.216	601.6	745.0	TOTAL
MEAN	13.8	14.0	15.7	20.2	23.6	50.0	13.3	10.5	11.3	10.5	20.1	24.0	MEAN
MAX	18.1	22.7	25.6	25.6	65.1	66.7	41.3	20.4	18.7	22.1	24.6	34.2	MAX
MIN	3.28	3.11	0.538	0.510	11.1	36.0	0.566	5.44	3.28	0.708	11.1	18.3	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.9
MAXIMUM DAILY, 66.7 ON JUN 1
MINIMUM DAILY, 0.510 ON APR 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 02 30 N
LONG 115 01 55 W
DRAINAGE AREA, 899 km²

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	27 000	JUL	35 700
FEB	33 900	AUG	28 200
MAR	42 000	SEP	29 200
APR	52 400	OCT	28 000
MAY	63 300	NOV	52 000
JUN	129 000	DEC	64 400

TOTAL DISCHARGE, 595 000 dam³

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

KEG RIVER AT HIGHWAY NO 35 - STATION NO 07MF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.010B	0.200B	5.94	1.80	2.28	1.41	0.218	0.343	---	---	1
2	---	---	0.010B	0.570B	4.93	1.86	2.22	1.18	0.192	0.289	---	---	2
3	---	---	0.010B	0.395B	4.99	1.54	2.06	1.00	0.183	0.244	---	---	3
4	---	---	0.020B	0.610B	5.11	1.42	2.15	1.07	0.155	0.264	---	---	4
5	---	---	0.025B	0.976B	9.93	1.34	2.31	0.884	0.141	0.289	---	---	5
6	---	---	0.030B	0.976B	10.0	1.27	2.73	0.877	0.117	0.330A	---	---	6
7	---	---	0.025B	1.01 B	9.40	1.15	2.86	0.700	0.088E	0.375E	---	---	7
8	---	---	0.018B	0.884B	8.61	1.07	2.33	0.605	0.088E	0.450E	---	---	8
9	---	---	0.012B	1.45 B	10.3	0.977	2.00	0.527	0.053E	0.550E	---	---	9
10	---	---	0.010B	1.46 B	9.61	0.940	1.92	0.434	0.045E	0.500E	---	---	10
11	---	---	0.010B	0.768B	8.87	0.857	2.17	0.379	0.041E	0.470E	---	---	11
12	---	---	0.010B	0.617B	8.59	0.787	2.77	0.344	0.041E	0.480E	---	---	12
13	---	---	0.010B	0.550B	7.90	0.773	4.59	0.312	0.041E	0.722A	---	---	13
14	---	---	0.010B	0.482B	7.00	0.737	5.59	0.277	0.041E	0.884A	---	---	14
15	---	---	0.010B	0.486B	5.90	0.740	5.58	0.271	0.041E	0.707E	---	---	15
16	---	---	0.010B	0.475B	5.08	0.667	5.82	0.305	0.041E	0.552A	---	---	16
17	---	---	0.010B	0.434B	4.54	0.626	4.93	0.331	0.041E	0.556	---	---	17
18	---	---	0.010B	0.434B	4.18	0.598	4.10	0.564	0.041E	0.505	---	---	18
19	---	---	0.012B	1.04	3.91	0.640	3.35	1.07	0.041E	0.562	---	---	19
20	---	0.010B	0.014B	1.03	3.66	1.10	2.78	0.856	0.041E	0.425	---	---	20
21	---	0.010B	0.014B	2.42	3.47	5.42	2.49	0.774	0.050E	0.423	---	---	21
22	---	0.010B	0.020B	9.76	3.34	13.6	2.10	0.680	0.059A	0.407	---	---	22
23	---	0.010B	0.050B	8.22	3.18	14.0	1.83	0.558	0.075E	0.382	---	---	23
24	---	0.010B	0.040B	6.50	2.95	8.60	1.68	0.489	0.087E	0.391	---	---	24
25	---	0.014B	0.035B	4.42	2.75	5.93	1.51	0.441	0.126A	0.382	---	---	25
26	---	0.020B	0.030B	4.06	2.58	5.38	1.28	0.385	0.112	0.361	---	---	26
27	---	0.020B	0.025B	3.85	2.55	4.50	1.10	0.362	0.153	0.407A	---	---	27
28	---	0.015B	0.020B	5.33	2.44	3.85	1.00	0.361	0.223	0.325E	---	---	28
29	---	---	0.020B	7.24	2.32	3.31	1.20	0.314	0.319	0.305E	---	---	29
30	---	---	0.025B	9.11	2.14	2.76	1.40	0.271	0.528	0.320E	---	---	30
31	---	---	0.050B		1.95		1.61	0.237		0.340E	---	---	31
TOTAL	---	---	0.805	73.587	172.42	89.953	81.56	18.327	3.392	13.300	---	---	TOTAL
MEAN	---	---	0.020	2.45	5.56	3.00	2.63	0.591	0.113	0.429	---	---	MEAN
MAX	---	---	0.050	9.76	10.3	14.0	5.82	1.41	0.528	0.722	---	---	MAX
MIN	---	---	0.010	0.200	1.95	0.599	1.00	0.237	0.041	0.244	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.85
MAXIMUM DAILY, 14.0 ON JUN 23
MINIMUM DAILY, 0.010B ON MAR 1
MAXIMUM INSTANTANEOUS,
15.4 AT 20:00 MST ON JUN 22

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 44 40 N
LONG 117 37 20 W
DRAINAGE AREA, 667 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7 050
FEB	---	AUG	1 580
MAR	52.3	SEP	293
APR	6 350	OCT	1 150
MAY	14 900	NOV	---
JUN	7 770	DEC	---

TOTAL DISCHARGE, 39 200 dam³

KENNEDY COULEE NEAR ACADIA VALLEY - STATION NO 05CK006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.002	0	0	0	0	0	0	0	0	---	1
2	---	---	0.001E	0	0	0	0	0	0	0	0	---	2
3	---	---	0.001E	0	0	0	0	0	0	0	0	---	3
4	---	---	0	0	0	0	0	0	0	0	0	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	0 [illegible]	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	0.004	0	0	0	0	0	0	0	0	---	---	26
27	---	0.002	0	0	0	0	0	0	0	0	---	---	27
28	---	---	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0	---	---	31
TOTAL	---	---	0.004	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.002	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.002 ON MAR 1
MINIMUM DAILY, 0 ON MAR 4

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 05 45 N
LONG 110 15 31 W
DRAINAGE AREA, 939 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0.35	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0.35 dam³

KILLARNEY LAKE TRIBUTARY NEAR CHAUVIN - STATION NO. 05CA010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0148	0.288	0.047	0.003	0.004	0.003	0.002	0.007	0.007	---	1
2	---	---	0.0108	0.270	0.043	0.002	0.003	0.003	0.002	0.006	0.006	---	2
3	---	---	0.0088	0.214	0.032	0.002	0.003	0.003	0.002	0.006	0.006	---	3
4	---	---	0.0048	0.136	0.035	0.002	0.003	0.007	0.002	0.010	0.0054	---	4
5	---	---	0.0028	0.070	0.042	0.001	0.003	0.012	0.002	0.006	---	---	5
6	---	---	0 B	0.093	0.045	0.001	0.003	0.009	0.002	0.008	---	---	6
7	---	---	0 B	0.142	0.064	0.001	0.003	0.006	0.002	0.006	---	---	7
8	---	---	0 B	0.100	0.073	0.001	0.003	0.004	0.002	0.007	---	---	8
9	---	---	0 B	0.062	0.084	0.001	0.003	0.004	0.002	0.007	---	---	9
10	---	---	0.0038	0.104	0.091	0.001	0.003	0.007	0.002	0.008	---	---	10
11	---	---	0.0028	0.125	0.098	0.001	0.004	0.010	0.001	0.008	---	---	11
12	---	---	0.0038	0.087	0.102	0.001	0.004	0.018	0.002	0.009	---	---	12
13	---	---	0.0028	0.049	0.110	0.001	0.005	0.008	0.005	0.009	---	---	13
14	---	---	0.0778	0.008	0.117	0.001	0.008	0.004	0.008	0.008	---	---	14
15	---	---	0.3498	0.002	0.118	0.002	0.010	0.003	0.006	0.009	---	---	15
16	---	---	0.2778	0.002	0.130	0.003	0.010	0.002	0.007	0.006	---	---	16
17	---	---	0.2058	0.002	0.139	0.001	0.011	0.002	0.016	0.008	---	---	17
18	---	---	0.1238	0.001	0.141	0.007	0.005	0.002	0.013	0.011	---	---	18
19	---	---	0.0978	0.001	0.141	0.005	0.003	0.003	0.016	0.009	---	---	19
20	---	---	0.0998	0.001	0.164	0.005	0.002	0.004	0.012	0.008	---	---	20
21	---	---	0.1158	0.001	0.168	0.017	0.001	0.002	0.018	0.010	---	---	21
22	---	---	0.1108	0.003	0.195	0.014	0.001	0.003	0.018	0.010	---	---	22
23	---	---	0.1098	0.004	0.210	0.012	0.001	0.003	0.024	0.009	---	---	23
24	---	---	0.0828	0.007	0.215	0.010	0.001	0.003	0.023	0.009	---	---	24
25	---	0 B	0.0618	0.016	0.220	0.008	0.001	0.003	0.028	0.008	---	---	25
26	---	0.0088	0.0638	0.010	0.237	0.007	0.001	0.003	0.017	0.006	---	---	26
27	---	0.0178	0.1158	0.009	0.257	0.006	0.002	0.004	0.007	0.008	---	---	27
28	---	0.0188	0.1898	0.012	0.128	0.005	0.003	0.004	0.012	0.008	---	---	28
29	---	---	0.3808	0.034	0.049	0.004	0.005	0.005	0.013	0.007	---	---	29
30	---	---	0.404	0.038	0.013	0.004	0.005	0.003	0.012	0.006	---	---	30
31	---	---	0.329		0.004		0.004	0.003		0.006			31
TOTAL	---	---	3.210	1.890	3.615	0.189	0.119	0.181	0.269	0.250	---	---	TOTAL
MEAN	---	---	0.104	0.063	0.117	0.006	0.004	0.006	0.009	0.008	---	---	MEAN
MAX	---	---	0.404	0.288	0.237	0.085	0.011	0.018	0.028	0.011	---	---	MAX
MIN	---	---	0	0.001	0.004	0.001	0.001	0.002	0.001	0.006	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.040
MAXIMUM DAILY, 0.404 ON MAR 30
MINIMUM DAILY, 0B ON MAR 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 33 47 N
LONG 110 08 57 W
DRAINAGE AREA, 1 010 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	10.3
FEB	---	AUG	12.9
MAR	277	SEP	23.2
APR	163	OCT	21.6
MAY	312	NOV	---
JUN	16.3	DEC	---

TOTAL DISCHARGE, 837 dam³

KIRKPATRICK LAKE TRIBUTARY NEAR SPONDIN - STATION NO. 05CA009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0.006	0	0	0	0	0	0	0	---	1
2	---	---	0.100	0.004	0	0	0	0	0	0	0	---	2
3	---	---	0.211	0.002	0	0	0	0	0	0	0	---	3
4	---	---	0.326	0.001	0	0	0	0	0	0	0	---	4
5	---	---	0.426	0	0	0	0	0	0	0	DA	---	5
6	---	---	0.190	0	0	0	0	0	0	0	---	---	6
7	---	---	0.220	0	0	0	0	0	0	0	---	---	7
8	---	---	0.298	0	0	0	0	0	0	0	---	---	8
9	---	---	0.339	0	0	0	0	0	0	0	---	---	9
10	---	---	0.277	0	0	0	0	0	0	0	---	---	10
11	---	---	0.159	0	0	0	0	0	0	0	---	---	11
12	---	---	0.162	0	0	0	0	0	0	0	---	---	12
13	---	---	0.515	0	0	0	0	0	0	0	---	---	13
14	---	---	0.883	0	0	0	0	0	0	0	---	---	14
15	---	---	0.712	0	0	0	0	0	0	0	---	---	15
16	---	---	0.571	0	0E	0	0	0	0	0	---	---	16
17	---	---	0.322	0	0E	0	0	0	0	0	---	---	17
18	---	---	0.180	0	0E	0	0	0	0	0	---	---	18
19	---	---	0.081	0	0E	0	0	0	0	0	---	---	19
20	---	---	0.044	0	0E	0	0	0	0	0	---	---	20
21	---	---	0.018	0	0E	0	0	0	0	0	---	---	21
22	---	---	0.006	0	0E	0	0	0	0	0	---	---	22
23	---	---	0.004	0	0E	0	0	0	0	0	---	---	23
24	---	0	0.004	0	0E	0	0	0	0	0	---	---	24
25	---	0	0.003	0	0E	0	0	0	0	0	---	---	25
26	---	0	0.003	0	0E	0	0	0	0	0	---	---	26
27	---	0	0.003	0	0A	0	0	0	0	0	---	---	27
28	---	0	0.007	0	0	0	0	0	0	0	---	---	28
29	---		0.028	0	0	0	0	0	0	0	---	---	29
30	---		0.016	0	0		0	0	0	0	---	---	30
31	---		0.012		0		0	0		0			31
TOTAL	---	---	5.940	0.013	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.192	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.712	0.006	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.034
MAXIMUM DAILY, 0.712 ON MAR 15
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.736 AT 11:04 MST ON MAR 16

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 58 24 N
LONG 111 28 47 W
DRAINAGE AREA, 232 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	513	SEP	0
APR	1.12	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 514 dam³

KLESKUN HILLS MAIN DRAIN NEAR GRANDE PRAIRIE - STATION NO. 07GE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0258	0.1038	0.011	0	0	0	0	0	---	---	1
2	---	---	0.0558	0.0798	0.071	0	0	0	0	0	---	---	2
3	---	---	0.1008	0.0528	0.370	0	0	0	0	0	---	---	3
4	---	---	0.3008	0.1718	0.184	0	0	0.001	0	0.001	---	---	4
5	---	---	0.2108	0.0948	0.108	0	0	0	0	0	---	---	5
6	---	---	0.1448	0.0828	0.033	0	0	0	0	0	---	---	6
7	---	---	0.0178	0.0708	0.002	0	0	0	0	0	---	---	7
8	---	---	0.0148	0.090	0.001	0	0	0	0	0	---	---	8
9	---	---	0.0138	0.061	0.001	0	0	0	0	0	---	---	9
10	---	---	0.0078	0.010	0.001	0	0	0	0	0	---	---	10
11	---	---	0.0088	0.002	0.001	0	0	0	0	0	---	---	11
12	---	---	0.0088	0.002	0	0	0	0	0	0	---	---	12
13	---	---	0.0078	0.002	0.002	0	0	0	0	0	---	---	13
14	---	---	0.0058	0.002	0.078	0	0	0	0	0	---	---	14
15	---	---	0.0058	0.002	0.152	0	0.010	0	0	0	---	---	15
16	---	---	0.0108	0.008	0.020	0	0.002	0	0	0	---	---	16
17	---	---	0.0118	0.268	0.002	0	0.002	0	0	0	---	---	17
18	---	---	0.0128	0.227	0.002	0	0.001	0	0	0	---	---	18
19	---	---	0.0308	0.061	0.002	0	0.001	0	0	0	---	---	19
20	---	0 B	0.0248	0.024	0.001	0	0	0	0	0	---	---	20
21	---	0 B	0.5308	0.002	0.001	0	0	0	0	0	---	---	21
22	---	0 B	0.6198	0.005	0.001	0	0.001	0	0	0	---	---	22
23	---	0 B	0.2168	0.002	0.001	0	0.011	0	0	0	---	---	23
24	---	0.0018	0.1738	0.001	0.001	0	0.002	0	0	0	---	---	24
25	---	0.0308	0.0158	0.001	0.001	0	0.001	0	0	0	---	---	25
26	---	0.0408	0.4068	0.001	0.001	0	0	0	0.001	0	---	---	26
27	---	0.0258	1.028	0	0.001	0	0	0	0.003	0	---	---	27
28	---	0.0358	0.9628	0.001	0	0	0	0	0.001	0	---	---	28
29	---		0.4398	0.003	0	0	0	0	0	0	---	---	29
30	---		0.2708	0.038	0	0	0	0	0.003	0	---	---	30
31	---		0.1188		0		0.001	0		0	---	---	31
TOTAL	---	---	5.773	1.464	1.048	0	0.032	0.001	0.008	0.001	---	---	TOTAL
MEAN	---	---	0.186	0.049	0.034	0	0.001	0	0	0	---	---	MEAN
MAX	---	---	1.02	0.268	0.370	0	0.011	0.001	0.003	0.001	---	---	MAX
MIN	---	---	0.005	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.034
MAXIMUM DAILY, 1.028 ON MAR 27
MINIMUM DAILY, 0 ON APR 27
MAXIMUM INSTANTANEOUS,
2.548 AT 18 00 MST ON MAR 27

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 13 29 N
LONG 118 27 37 W
DRAINAGE AREA, 31.6 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2.76
FEB	---	AUG	0.09
MAR	499	SEP	0.69
APR	126	OCT	0.09
MAY	90.6	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 719 dam³

KNEEHILLS CREEK NEAR DRUMHELLER - STATION NO. 05CE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	5.11 B	0.346	0.153	0.429	0.120	0.290	0.007E	3.95	0.361	---	1
2	---	---	4.96 B	0.342	0.154	0.369	0.138	0.261	0.007E	3.57	0.356	---	2
3	---	---	4.23 B	0.327	0.160	0.333	0.151	0.236	0.007E	2.94	0.338	---	3
4	---	---	3.67 B	0.296	0.213	0.304	0.145	0.222	0.007E	2.55	0.316A	---	4
5	---	---	3.33 B	0.260	0.269	0.270	0.180	0.203	0.007E	2.21	---	---	5
6	---	---	6.00 B	0.229	0.316	0.246	0.152	0.195	0.007E	2.12	---	---	6
7	---	---	3.95 B	0.206	0.273	0.207	0.134	0.188	0.008E	2.15	---	---	7
8	---	---	5.39 B	0.197	0.254	0.185	0.114	0.173	0.010E	1.95	---	---	8
9	---	---	3.77 B	0.181	0.256	0.218	0.130	0.163	0.011E	1.68	---	---	9
10	---	---	1.57 B	0.167	0.250	0.214	0.160	0.188	0.014E	1.44	---	---	10
11	---	---	1.63 B	0.148	0.262	0.193	0.080	0.158	0.015E	1.23	---	---	11
12	---	---	1.10 B	0.150	0.271	0.215	0.080	0.190	0.020E	1.04	---	---	12
13	---	---	1.23 B	0.153	0.278	0.211	0.040	0.198	0.023E	0.862	---	---	13
14	---	---	0.6708	0.137	0.395	0.168	0.030	0.155	0.026E	0.720	---	---	14
15	---	---	0.5088	0.128	0.734	0.207	0.056	0.120	0.031E	0.678	---	---	15
16	---	---	0.4658	0.126	0.569	0.188	0.070	0.084	0.035A	0.618	---	---	16
17	---	---	0.4728	0.126	0.457	0.175	0.289	0.179	0.071	0.574	---	---	17
18	---	---	0.4208	0.115	0.570	0.133	0.183	0.227	0.032	0.527	---	---	18
19	---	---	0.6998	0.098	1.54	0.130	0.136	0.201	0.089	0.513	---	---	19
20	---	---	0.583	0.097	3.28	0.108	0.124	0.183	0.098	0.491	---	---	20
21	---	---	0.736	0.086	3.98	0.085	0.116	0.152	0.091	0.474	---	---	21
22	---	---	0.595	0.084	4.50	0.056	0.955	0.112	0.082	0.480	---	---	22
23	---	---	0.483	0.102	4.25	0.047	2.03	0.089	0.076	0.541	---	---	23
24	---	0 B	0.471	0.100	3.81	0.050	1.45	0.036	0.088	0.887	---	---	24
25	---	0.0498	0.523	0.113	2.93	0.060	0.792	0.038	2.14	0.603	---	---	25
26	---	1.32 B	0.497	0.138	2.31	0.072	0.517	0.017	2.78	0.517	---	---	26
27	---	2.06 B	0.441	0.134	1.79	0.092	0.482	0.009	2.55	0.552	---	---	27
28	---	3.66 B	0.413	0.137	1.38	0.108	0.414	0.007E	1.04	0.478	---	---	28
29	---		0.389	0.136	1.00	0.169	0.435	0.007E	0.885	0.461	---	---	29
30	---		0.394	0.150	0.716	0.139	0.382	0.007E	2.95	0.449	---	---	30
31	---		0.379		0.511		0.320	0.007E		0.417	---	---	31
TOTAL	---	---	55.180	5.005	37.831	5.385	10.345	4.279	13.189	37.551	---	---	TOTAL
MEAN	---	---	1.78	0.167	1.22	0.180	0.334	0.138	0.440	1.21	---	---	MEAN
MAX	---	---	6.00	0.346	4.50	0.429	2.03	0.290	2.95	3.95	---	---	MAX
MIN	---	---	0.379	0.084	0.153	0.047	0.030	0.007	0.007	0.417	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.669
MAXIMUM DAILY, 6.00 ON MAR 6
MINIMUM DAILY, 0.007E ON AUG 28

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 28 40 N
LONG 112 51 30 W
DRAINAGE AREA, 2 430 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	884
FEB	---	AUG	370
MAR	4 770	SEP	1 140
APR	433	OCT	3 240
MAY	3 270	NOV	---
JUN	485	DEC	---

TOTAL DISCHARGE, 14 800 dam³

KRAWCHUK DRAINAGE NEAR MCLENNAN - STATION NO 07HA902

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.4828	0.006	0	0	0	0	0	---	---	1
2	---	---	---	0.2818	0	0	0	0	0	0	---	---	2
3	---	---	---	0.2798	0.004	0	0	0	0	0	---	---	3
4	---	---	0.0808	0.3768	0.008	0	0	0	0	0	---	---	4
5	---	---	---	0.3128	0.009	0	0	0	0	0	---	---	5
6	---	---	---	0.3208	0.007	0	0	0	0	0	---	---	6
7	---	---	---	0.2628	0.003	0	0	0	0	0	---	---	7
8	---	---	---	0.2348	0	0	0	0	0	0	---	---	8
9	---	---	---	0.1738	0	0	0	0	0	0	---	---	9
10	---	---	---	0.1038	0	0	0	0	0	0	---	---	10
11	---	---	---	0.0878	0	0	0	0	0	0	---	---	11
12	---	---	---	0.0888	0	0	0	0	0	0	---	---	12
13	---	---	---	0.0458	0.011	0	0	0	0	0	---	---	13
14	---	---	---	0.0138	0.080	0	0	0	0	0	---	---	14
15	---	---	---	0.0438	0.059	0	0	0	0	0	---	---	15
16	---	---	---	0.081	0.051	0	0	0	0	0	---	---	16
17	---	---	---	0.224	0.043	0	0.018	0	0	0	---	---	17
18	---	---	---	0.267	0.034	0	0.005	0	0	0	---	---	18
19	---	---	---	0.155	0.027	0	0	0	0	0	---	---	19
20	---	---	---	0.085	0.017	0	0	0	0	0	---	---	20
21	---	---	---	0.039	0.009	0	0	0	0	0	---	---	21
22	---	---	---	0.024	0.019	0	0	0	0	0	---	---	22
23	---	---	---	0.015	0.031	0	0	0	0	0	---	---	23
24	---	---	---	0.012	0.024	0	0	0	0	0	---	---	24
25	---	---	---	0.011	0.016	0	0	0	0	0	---	---	25
26	---	---	---	0.010	0.011	0	0	0	0	0	---	---	26
27	---	---	---	0.008	0.001	0	0	0	0	0	---	---	27
28	---	08	0.5748	0.003	0	0	0	0	0	0	---	---	28
29	---		0.7098	0.005	0	0	0	0	0	0	---	---	29
30	---		0.7118	0.010	0	0.026	0	0	0	0	---	---	30
31	---		0.5988		0		0	0		08		---	31
TOTAL	---	---	---	4.027	0.450	0.026	0.023	0	0	0	---	---	TOTAL
MEAN	---	---	---	0.134	0.015	0.001	0.001	0	0	0	---	---	MEAN
MAX	---	---	---	0.482	0.080	0.026	0.018	0	0	0	---	---	MAX
MIN	---	---	---	0.003	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.021
MAXIMUM DAILY, 0.4828 ON APR 1
MINIMUM DAILY, 0 ON MAY 2
MAXIMUM INSTANTANEOUS,
1.18 AT 19.47 MST ON MAR 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 57 00 N
LONG 117 02 00 W
DRAINAGE AREA, 13.0 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1.89
FEB	---	AUG	0
MAR	---	SEP	0
APR	348	OCT	0
MAY	38.9	NOV	---
JUN	2.25	DEC	---

TOTAL DISCHARGE, 391 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

KYISKAP CREEK NEAR GRANUM - STATION NO 05AB038

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.096	0.003	0.001A	0.001	0	0	0	0.015	0	---	1
2	---	---	0.045	0.001	0.001	0.001	0	0	0	0.014	0	---	2
3	---	---	0.032	0.001	0.001	0	0	0	0	0.010	0A	---	3
4	---	---	0.032	0.001	0.001	0	0	0	0	0.006	---	---	4
5	---	---	0.032	0	0.003	0.001	0	0	0	0.005	---	---	5
6	---	---	0.030	0.005	0.017	0.001	0	0	0	0.003	---	---	6
7	---	---	0.065	0.005	0.018	0.001	0	0	0	0.003	---	---	7
8	---	---	0.058	0.005	0.017	0.001	0	0	0	0.003	---	---	8
9	---	---	0.058	0.005	0.015	0.001	0	0	0	0.003	---	---	9
10	---	---	0.046	0.005	0.011	0.001	0	0	0	0.003	---	---	10
11	---	---	0.038	0.005	0.010	0.001	0	0	0	0.002	---	---	11
12	---	---	0.038	0.006B	0.013	0.001	0	0	0	0.002	---	---	12
13	---	---	0.037	0.007	0.012	0.001	0	0	0	0.002	---	---	13
14	---	---	0.016	0.007	0.011	0.001	0	0	0	0.002	---	---	14
15	---	---	0.013	0.009	0.010	0.001	0	0	0	0.001	---	---	15
16	---	---	0.012	0.012	0.009	0.001	0	0	0	0.001	---	---	16
17	---	---	0.013	0.012	0.004	0.001	0	0	0	0.001	---	---	17
18	---	---	0.020	0.008	0.002	0.001	0	0	0	0.001	---	---	18
19	---	---	0.018	0.004	0.008	0.001	0	0	0	0.001	---	---	19
20	---	---	0.016	0.002	0.007	0.001	0	0	0	0.001	---	---	20
21	---	---	0.070	0.001	0.005	0	0	0	0	0.001	---	---	21
22	---	---	0.036	0.001	0.005	0	0	0	0	0.001	---	---	22
23	---	---	0.004	0.001	0.003	0	0	0	0	0	---	---	23
24	---	1.05 B	0.001	0.002	0.007	0	0	0	0	0	---	---	24
25	---	6.82 B	0.001	0.002	0.012	0	0	0	0	0	---	---	25
26	---	1.02	0.004	0.002	0.008	0	0	0	0.225	0	---	---	26
27	---	0.153	0.004	0.002	0.003	0	0	0	0.493	0	---	---	27
28	---	0.089	0.004	0.001A	0.004	0	0	0	0.134	0	---	---	28
29	---		0.004	0.001E	0.005	0	0	0	0.035	0	---	---	29
30	---		0.029	0.001E	0.004	0	0	0	0.019	0	---	---	30
31	---		0.007		0.002		0	0		0		---	31
TOTAL	---	---	0.897	0.117	0.230	0.018	0	0	0.906	0.081	---	---	TOTAL
MEAN	---	---	0.029	0.004	0.007	0.001	0	0	0.030	0.003	---	---	MEAN
MAX	---	---	0.096	0.012	0.018	0.001	0	0	0.493	0.015	---	---	MAX
MIN	---	---	0.001	0	0.001	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.009
MAXIMUM DAILY, 0.493 ON SEP 27
MINIMUM DAILY, 0 ON APR 5
MAXIMUM INSTANTANEOUS,
14.7 AT 00.35 MST ON FEB 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 48 55 N
LONG 113 35 25 W
DRAINAGE AREA, 191 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	77.5	SEP	78.3
APR	10.1	OCT	7.00
MAY	19.9	NOV	---
JUN	1.55	DEC	---

TOTAL DISCHARGE, 194 dam³

L N I.D. - MONARCH BRANCH CANAL BELOW MONARCH HEADGATES - STATION NO 05AC028

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	9.26	12.9	5.20	3.02	1.50 E	---	---	1
2	---	---	---	---	0	8.30	11.4	5.05	2.33	1.50 E	---	---	2
3	---	---	---	---	0	8.71	11.1	4.98	1.94	1.48 A	---	---	3
4	---	---	---	---	0	8.79	11.7	4.89	2.37	1.50 E	---	---	4
5	---	---	---	---	0	9.56	11.3	4.68	3.20	1.50 E	---	---	5
6	---	---	---	---	0	10.8	10.3	4.27	3.37	1.40 E	---	---	6
7	---	---	---	---	0	11.6	9.83	3.88	3.70	0	---	---	7
8	---	---	---	---	0	11.6	8.78	3.37	2.60	0	---	---	8
9	---	---	---	---	0	11.0	8.79	2.98	1.61	0	---	---	9
10	---	---	---	---	0	9.86	9.30	2.96	1.55	0	---	---	10
11	---	---	---	---	0	9.43	9.40	3.02	1.51	0	---	---	11
12	---	---	---	---	0	10.4	9.43	2.93	1.81	0	---	---	12
13	---	---	---	---	1.84	11.1	9.55	2.65	1.90	0	---	---	13
14	---	---	---	---	1.60 E	11.2	9.82	2.73	1.75	0	---	---	14
15	---	---	---	---	0.600E	11.3	10.1	2.41	1.82	0	---	---	15
16	---	---	---	---	0.600E	10.6	9.83	2.22	1.64	0	---	---	16
17	---	---	---	---	0.600E	10.5	8.97	2.34	1.32	0	---	---	17
18	---	---	---	---	0.600E	11.0	8.50	2.44	1.11	0	---	---	18
19	---	---	---	---	0.600E	10.6	8.70	2.49	0.961	0	---	---	19
20	---	---	---	---	0.578A	10.4	8.78	2.87	0.835	0	---	---	20
21	---	---	---	---	0.600E	10.3	7.89	3.67	0.702	0	---	---	21
22	---	---	---	---	0.600E	10.1	7.45	4.04	1.20	0	---	---	22
23	---	---	---	---	0.600E	10.8	7.02	3.25	1.71	0	---	---	23
24	---	---	---	---	0.600E	12.0	6.58	2.86	1.83	0	---	---	24
25	---	---	---	---	0.600E	13.2	6.37	3.08	1.69	0	---	---	25
26	---	---	---	---	2.60 E	14.0	5.49	3.36	1.48	0	---	---	26
27	---	---	---	---	4.95	15.1	5.23	3.31	1.36	0	---	---	27
28	---	---	---	---	5.41	15.1	5.19	3.75	1.50 E	0	---	---	28
29	---		---	---	8.23	15.4	5.74	4.06	1.50 E	0	---	---	29
30	---		---	---	8.80	14.5	5.57	3.45	1.50 E	0	---	---	30
31	---		---		8.41		5.39	3.07		0	---	---	31
TOTAL	---	---	---	---	44.418	336.51	266.50	106.24	54.818	8.88	---	---	TOTAL
MEAN	---	---	---	---	1.43	11.2	8.60	3.43	1.83	0.286	---	---	MEAN
MAX	---	---	---	---	8.41	15.4	12.9	5.20	3.70	1.50	---	---	MAX
MIN	---	---	---	---	0	8.30	5.19	2.22	0.702	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 15.4 ON JUN 29
MINIMUM DAILY, 0 ON MAY 1

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 00 N
LONG 113 11 00 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	23 000
FEB	---	AUG	9 180
MAR	---	SEP	4 740
APR	---	OCT	767
MAY	3 840	NOV	---
JUN	29 100	DEC	---

LA BICHE RIVER AT HIGHWAY NO 63 - STATION NO 07CA011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.568	3.398	3.378	14.88	10.6	5.93	1.67	3.31	3.10	4.97	6.508	3.858	1
2	3.548	3.398	3.538	15.08	11.1	5.48	1.53	3.18	3.61	5.03	7.008	3.878	2
3	3.548	3.388	3.658	14.78	10.9	4.69	1.65	3.13	3.45	5.68	7.608	3.988	3
4	3.588	3.378	3.828	14.58	10.7	4.80	1.46	3.03	3.03	5.45	7.208	3.868	4
5	3.598	3.368	4.008	14.08	10.8	4.87	1.53	2.93	3.06	5.53	6.508	3.988	5
6	3.598	3.358	4.028	13.68	10.6	4.66	1.42	2.99	3.37	5.66	6.408	3.988	6
7	3.598	3.348	4.058	13.28	10.8	4.08	1.25	2.97	3.56	5.43	6.258	3.978	7
8	3.598	3.338	4.088	12.9	10.6	4.32	1.38	2.94	3.68	5.90	6.108	3.968	8
9	3.578	3.328	4.128	12.5	10.6	3.86	1.55	2.74	3.82	6.35	5.958	3.988	9
10	3.628	3.318	4.288	12.6	10.3	3.71	1.87	2.46	3.53	5.29	5.808	3.988	10
11	3.608	3.318	4.748	12.0	10.3	3.82	1.74	2.51	4.00	5.60	5.658	3.988	11
12	3.598	3.318	4.898	11.9	10.3	3.36	1.86	2.59	3.91	6.25	5.508	3.988	12
13	3.608	3.318	5.008	11.8	10.3	3.21	2.00	2.54	3.81	6.22	5.358	3.988	13
14	3.578	3.308	5.228	12.0	9.49	3.22	2.13	2.38	3.93	6.35	5.208	3.928	14
15	3.578	3.308	5.358	12.0	8.24	3.13	2.26	2.36	4.32	6.49	5.118	3.948	15
16	3.568	3.308	5.578	11.7	8.90	3.13	2.45	2.26	4.53	6.53	4.958	3.968	16
17	3.558	3.298	5.838	11.4	9.78	3.20	2.45	2.27	4.18	6.71	4.868	3.918	17
18	3.548	3.298	6.208	11.0	9.50	2.97	2.03	2.56	3.97	6.68	4.728	3.888	18
19	3.538	3.298	6.618	10.9	9.19	2.82	9.18	2.74	4.05	6.87	4.858	3.808	19
20	3.508	3.288	6.898	11.3	8.84	2.75	9.61	2.61	4.09	7.11	4.568	3.788	20
21	3.488	3.278	7.758	11.0	8.40	2.61	10.6	2.47	4.15	7.24	4.448	3.758	21
22	3.478	3.268	8.308	11.0	8.36	2.39	11.1	2.80	4.14	7.31	4.318	3.728	22
23	3.468	3.258	9.008	10.9	8.50	2.22	9.99	2.67	4.00	7.43	4.258	3.898	23
24	3.458	3.248	9.608	10.9	8.91	2.48	7.27	2.94	4.50	7.50	4.158	3.678	24
25	3.448	3.228	10.0 E	10.9	8.77	2.31	5.64	2.82	4.81	7.38	3.998	3.718	25
26	3.448	3.218	10.8 E	11.0	8.41	2.18	4.88	2.73	4.50	7.41	3.898	3.758	26
27	3.438	3.238	11.6 E	11.1	8.11	2.05	4.50	3.01	4.54	7.43	3.888	3.748	27
28	3.428	3.298	12.2 E	10.9	7.31	1.90	4.28	3.15	4.77	6.978	3.908	3.728	28
29	3.418		13.3 E	10.8	7.12	1.81	3.98	3.25	4.85	6.808	3.928	3.768	29
30	3.408		14.0 E	10.6	6.41	1.78	3.67	3.29	5.01	8.708	3.938	3.718	30
31	3.408		14.5 E		5.84		3.45	3.13		8.508		3.898	31
TOTAL	109.26	92.49	216.25	363.0	287.98	98.82	127.31	86.56	120.47	198.77	156.61	119.74	TOTAL
MEAN	3.52	3.30	6.98	12.1	9.29	3.33	4.11	2.79	4.02	6.41	5.22	3.86	MEAN
MAX	3.62	3.39	14.5	15.0	11.1	5.93	11.1	3.31	5.01	7.50	7.60	3.98	MAX
MIN	3.40	3.21	3.37	10.6	5.84	1.78	1.25	2.25	3.03	4.97	3.88	3.67	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.42
MAXIMUM DAILY, 15.08 ON APR 2
MINIMUM DAILY, 1.25 ON JUL 7
MAXIMUM INSTANTANEOUS,
15.58 AT 21:12 MST ON MAR 31

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 56 10 N
LONG 112 30 10 W
DRAINAGE AREA, 4 680 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	8 440	JUL	11 000
FEB	7 990	AUG	7 480
MAR	18 700	SEP	10 400
APR	31 400	OCT	17 200
MAY	24 900	NOV	13 600
JUN	8 620	DEC	10 300

TOTAL DISCHARGE, 171 000 dam³

LAC LA BICHE AT LAC LA BICHE - STATION NO. 07CA004

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	543.488	543.489	543.433	543.426	543.391	543.353	543.337	543.514	543.535	543.483	543.413E	543.342	1
2	543.492	543.487	543.434	543.423	543.387	543.368	543.343	543.523	543.548	543.485	543.413E	543.341	2
3	543.492	543.484	543.431	543.420	543.388	543.373	543.347	543.533	543.572	543.470	543.413E	543.340	3
4	543.491	543.487	543.432	543.420	543.386	543.372	543.361	543.548	543.547	543.470	543.412E	543.337	4
5	543.492	543.486	543.436	543.416	543.384	543.371	543.384	543.553	543.538	543.460	543.411E	543.335	5
6	543.493	543.484	543.446	543.413	543.380	543.372	543.355	543.556	543.530	543.472	543.411A	543.334	6
7	543.486	543.486	543.446	543.410	543.377	543.366	543.338	543.559	543.528	543.484	543.396	543.335	7
8	543.484	543.486	543.447	543.408	543.376	543.365	543.337	543.565	543.527	543.447	543.385	543.335	8
9	543.473	543.486	543.442	543.412	543.377	543.360	543.343	543.568	543.524	543.473	543.367	543.335	9
10	543.474	543.485	543.442	543.418	543.380	543.358	543.345	543.560	543.525	543.478	543.356	543.332	10
11	543.479	543.481	543.442	543.419	543.377	543.375	543.351	543.563	543.544	543.439	543.359	543.329	11
12	543.483	543.478	543.443	543.415	543.374	543.367	543.361	543.573	543.529	543.437	543.349	543.328	12
13	543.484	543.479	543.445	543.415	543.378	543.380	543.372	543.573	543.519	543.437	543.349	543.327	13
14	543.481	543.477	543.445	543.413	543.403	543.380	543.375	543.576	543.505	543.434	543.347	543.327	14
15	543.480	543.478A	543.448	543.411	543.414	543.352	543.383	543.582	543.499	543.435	543.347	543.327	15
16	543.480	543.471A	543.443	543.408	543.370	543.344	543.400	543.589	543.510	543.430	543.347	543.333	16
17	543.477	543.463	543.440	543.407	543.356	543.349	543.426	543.563	543.509	543.432	543.347	543.332	17
18	543.477	543.463	543.441	543.402	543.360	543.346	543.451	543.572	543.500	543.429	543.349	543.336	18
19	543.478	543.469	543.443	543.403	543.358	543.350	543.443	543.586	543.496	543.427	543.351	543.343	19
20	543.482	543.462	543.440	543.400	543.352	543.349	543.444	543.570	543.495	543.426	543.349	543.345	20
21	543.488	543.456	543.441	543.397	543.362	543.364	543.450	543.574	543.493	543.428	543.349	543.348	21
22	543.488	543.456	543.441	543.396	543.383	543.357	543.453	543.561	543.495	543.422	543.347	543.352	22
23	543.487	543.453	543.440	543.394	543.375	543.352	543.470	543.561	543.482	543.417	543.346	543.353	23
24	543.485	543.449	543.441	543.392	543.361	543.357	543.462	543.578	543.484	543.419	543.343	543.355	24
25	543.483	543.440	543.440	543.390	543.365	543.357	543.473	543.555	543.471	543.420A	543.346	543.353	25
26	543.482	543.433	543.439	543.387	543.359	543.363	543.475	543.553	543.479	543.421E	543.348	543.351	26
27	543.483	543.430	543.437	543.386	543.364	543.355	543.487	543.550	543.475	543.420E	543.347	543.348	27
28	543.492	543.433	543.433	543.385	543.364	543.348	543.487	543.550	543.482	543.419E	543.346	543.349	28
29	543.493		543.430	543.387	543.368	543.340	543.515	543.553	543.479	543.419E	543.344	543.349	29
30	543.491		543.429	543.393	543.364	543.342	543.516	543.566	543.482	543.418E	543.341	543.348	30
31	543.490		543.427		543.367		543.508	543.548		543.416E		543.348	31
MEAN	543.485	543.469	543.439	543.406	543.374	543.358	543.413	543.561	543.510	543.440	543.364	543.340	MEAN
MAX	543.493	543.489	543.447	543.426	543.414	543.375	543.516	543.586	543.572	543.483	543.413	543.355	MAX
MIN	543.473	543.430	543.427	543.385	543.352	543.340	543.337	543.514	543.484	543.416	543.341	543.327	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MEAN, 543.430
MAXIMUM DAILY, 543.586 ON AUG 19
MINIMUM DAILY, 543.327 ON DEC 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 46 26 N
LONG 111 58 43 W

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

DRAINAGE AREA, 4 330 km²

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

LAC LA NONNE AT LAC LA NONNE - STATION NO. 07BB007

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	683.837	683.872E	683.781	684.023	683.776	683.788	---	---	1
2	---	---	---	---	683.832	683.864	683.766	684.024	683.776	683.789	---	---	2
3	---	---	---	---	683.832	683.854	683.764E	684.024	683.771	683.789	---	---	3
4	---	---	---	---	683.832	683.854	683.764E	684.024	683.767	683.789	---	---	4
5	---	---	---	---	683.830	683.850	683.762	684.034	683.762	683.789	---	---	5
6	---	---	683.717	---	683.827	683.835	683.767	684.035	683.757	683.790	683.786	---	6
7	---	---	---	---	683.822	683.830	683.767	684.025	683.747	683.790	---	---	7
8	---	---	---	683.886	683.823	683.830	683.763	683.975	683.748	683.790	---	---	8
9	---	---	---	---	683.918	683.831	683.762	683.870	683.743	683.790	---	---	9
10	---	---	---	---	683.918	683.821	683.768	683.871	683.753E	683.791	---	---	10
11	---	---	---	---	683.918	683.811	683.768	683.886	683.763	683.781	---	---	11
12	---	---	683.744	---	683.914	683.821	683.779	683.856	683.774	683.781	---	---	12
13	---	---	---	---	683.914	683.811	683.779	683.851	683.774	683.781	---	---	13
14	---	---	---	---	683.914	683.812	683.778	683.827	683.774	683.781	---	---	14
15	---	---	---	---	683.919	683.807	683.789	683.812	683.789	683.782	---	---	15
16	---	---	---	---	683.920	683.782	683.815E	683.907	683.770	683.782	---	---	16
17	---	---	---	---	683.920	683.797	683.840E	683.887	683.765	683.787	---	---	17
18	---	---	---	---	683.915	683.798	683.865E	683.888	683.765	683.787	---	---	18
19	---	---	---	---	683.910	683.803	683.890	683.858	683.765	683.788	---	---	19
20	---	---	---	---	683.911	683.803	683.911	683.848	683.761	683.788	---	---	20
21	---	---	---	---	683.913E	683.798	683.931	683.838	683.761	683.788	---	---	21
22	---	---	---	---	683.914E	683.799	683.961	683.828	683.756	683.788	---	---	22
23	---	---	---	---	683.916	683.799	683.881	683.824	683.761	683.785	---	---	23
24	---	---	---	---	683.907	683.789	684.011	683.818	683.762	683.788	---	---	24
25	---	---	---	---	683.902	683.784	684.022	683.814	683.767	683.789	---	---	25
26	---	---	683.859	---	683.892	683.785	684.032	683.810	683.772	683.789	---	---	26
27	---	---	---	---	683.892	683.790	684.032	683.805	683.777	683.790	---	---	27
28	---	---	---	---	683.888	683.790	684.032	683.800	683.778	683.790	---	---	28
29	---		---	---	683.888	683.775	684.028	683.785	683.778	683.790	---	---	29
30	---		---	---	683.883	683.776	684.033	683.781	683.778	683.790	---	---	30
31	---		---		683.883		684.033	683.781		683.791		---	31
MEAN	---	---	---	---	683.913	683.814	683.871	683.907	683.766	683.789	---	---	MEAN
MAX	---	---	---	---	683.937	683.872	684.033	684.035	683.788	683.799	---	---	MAX
MIN	---	---	---	---	683.883	683.775	683.762	683.781	683.743	683.781	---	---	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MAXIMUM DAILY, 684.035 ON AUG 5

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 54 41 N
LONG 114 15 43 W

E - ESTIMATED

NATURAL FLOW

DRAINAGE AREA, 298 km²

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

LAC STE. ANNE AT ALBERTA BEACH - STATION NO. 05EA005

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	722.942E	722.949	722.845	723.121	723.028	722.984	---	---	
2	---	---	---	---	722.942E	722.944	722.845	723.121	723.020E	722.984	---	---	1
3	---	---	---	---	722.942E	722.939	722.838E	723.121	723.012E	722.984	722.910	---	2
4	---	---	---	---	722.942	722.938	722.831E	723.128E	723.005E	722.984	---	---	3
5	---	---	---	---	722.947	722.928	722.825	723.131	722.997	722.983	---	---	4
6	---	---	722.800	---	722.942	722.928	722.825	723.131	722.987	722.983E	---	---	5
7	---	---	---	---	722.942	722.918	722.824	723.131	722.977	722.983E	---	---	
8	---	---	---	---	722.942	722.908E	722.824	723.130	722.967	722.983	---	---	6
9	---	---	---	---	722.942	722.908	722.824	723.130	722.967	722.976E	---	---	7
10	---	---	---	---	722.941E	722.898	722.824	723.130	722.986	722.970E	---	---	8
11	---	---	---	722.886	722.941	722.898E	722.827E	723.120	722.971E	722.963	---	---	9
12	---	---	722.812	---	722.941	722.897	722.831E	723.120E	722.976	722.963	---	---	10
13	---	---	---	---	722.944E	722.887	722.834	723.120	722.986	722.982	---	---	11
14	---	---	---	---	722.946E	722.887	722.834	723.113E	722.983E	722.962	---	---	12
15	---	---	---	---	722.949E	722.882E	722.873E	723.107E	722.979E	722.962	---	---	13
16	---	---	---	---	722.951	722.877	722.913E	723.093	722.976	722.962	---	---	14
17	---	---	---	---	722.951	722.877	722.953E	723.089	722.976	722.962	---	---	15
18	---	---	---	---	722.951	722.877	722.993	723.079	722.975	722.962	---	---	16
19	---	---	---	---	722.950	722.857	723.043	723.079	722.965	722.952	---	---	17
20	---	---	---	---	722.950	722.858E	723.053	723.074E	722.965	722.952	---	---	18
21	---	---	---	---	722.950E	722.856E	723.073	723.069	722.955	722.941	---	---	19
22	---	---	---	---	722.950E	722.856	723.083	723.089	722.955	722.941	---	---	20
23	---	---	---	---	722.950	722.856	723.082	723.059	722.955	722.941	---	---	21
24	---	---	---	---	722.950	722.856	723.092E	723.054E	722.955	722.941	---	---	22
25	---	---	---	---	722.950	722.856	723.102E	723.048	722.957E	722.941	---	---	23
26	---	---	---	---	722.950	722.856	723.112	723.043	722.958E	722.941	---	---	24
27	---	---	---	---	722.949	722.856	723.112	723.048	722.960E	722.941	---	---	25
28	---	---	722.884	---	722.949	722.855	723.112	723.043E	722.962E	722.941	---	---	26
29	---		---	---	722.949	722.855	723.092	723.038E	722.964	722.940E	---	---	27
30	---		---	---	722.949	722.845	723.107E	723.033E	722.974	722.940E	---	---	28
31	---		722.870	---	722.949		723.121	723.028		722.940E	---	---	29
MEAN	---	---	---	---	722.947	722.887	722.953	723.080	722.976	722.960	---	---	30
MAX	---	---	---	---	722.951	722.949	723.121	723.131	723.028	722.984	---	---	31
MIN	---	---	---	---	722.941	722.845	722.824	723.028	722.955	722.940	---	---	MEAN
													MAX
													MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MAXIMUM DAILY, 723.131 ON AUG 5

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 40 35 N
LONG 114 21 27 W

E - ESTIMATED

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA, 702 km²

LAFOND CREEK NEAR RED EARTH CREEK - STATION NO. 07JC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0148	0.2158	3.51	1.42	2.67	1.56	0.111	0.026	---	---	
2	---	---	0.0148	0.1918	3.07	1.22	2.20	1.38	0.105	0.031	---	---	1
3	---	---	0.0138	0.0948	2.84	1.10	1.70	1.28	0.102	0.034	---	---	2
4	---	---	0.0148	0.1278	3.06	0.997	1.62	1.28	0.094	0.036	---	---	3
5	---	---	0.0138	0.1358	3.67	0.851	1.66	1.27	0.090	0.038	---	---	4
6	---	---	0.0098	0.1488	4.54	0.754	1.55	1.07	0.081	0.040	---	---	5
7	---	---	0.0078	0.1908	7.12	0.657	1.58	0.912	0.070	0.045	---	---	
8	---	---	0.0068	0.1008	10.1	0.607	1.47	0.808	0.063	0.044	---	---	6
9	---	---	0.0058	0.1158	11.0	0.551	1.28	0.737	0.056	0.049	---	---	7
10	---	---	0.0028	0.0848	9.11	0.501	1.13	0.659	0.050	0.049	---	---	8
11	---	---	0.0028	0.0958	7.80	0.407	2.07	0.608	0.047	0.058	---	---	9
12	---	---	0.0028	0.1948	8.31	0.337	3.29	0.509	0.043	0.071	---	---	10
13	---	---	0.0028	0.2628	5.08	0.324	3.04	0.426	0.038	0.079	---	---	11
14	---	---	0.0048	0.2388	4.26	0.257	3.44	0.403	0.033	0.088	---	---	12
15	---	---	0.0068	0.2028	3.55	0.214	3.17	0.345	0.029	0.086	---	---	13
16	---	---	0.0058	0.1868	2.97	0.175	3.05	0.308	0.028	0.089	---	---	14
17	---	---	0.0048	0.2178	2.61	0.176	3.61	0.245	0.028	0.109	---	---	15
18	---	---	0.0038	0.4638	2.15	0.163	3.83	0.224	0.027	0.106	---	---	16
19	---	---	0.0038	0.7558	2.00	0.315	3.62	0.180	0.024	0.104	---	---	17
20	---	---	0.0028	1.39 B	1.97	0.783	3.10	0.152	0.022	0.102	---	---	18
21	---	---	0.0048	1.79	1.73	1.74	2.57	0.156	0.020	0.102	---	---	19
22	---	---	0.0028	1.82	1.88	4.50	2.13	0.155	0.019	0.106	---	---	20
23	---	---	0.0028	2.40	2.10	4.44	1.84	0.143	0.017	0.102	---	---	21
24	---	---	0.0028	4.36	2.84	17.6	1.56	0.110	0.017	0.107	---	---	22
25	---	0.0118	0.0038	4.77	2.98	17.5	1.29	0.109	0.017	0.109	---	---	23
26	---	0.0088	0.0048	4.64	2.93	12.1	1.12	0.084	0.015	0.123	---	---	24
27	---	0.0058	0.0138	4.34	2.60	8.43	1.06	0.085	0.016	0.157	---	---	25
28	---	0.0098	0.0278	3.73	2.41	6.20	0.972	0.087	0.016	0.171	---	---	26
29	---		0.0848	3.50	2.11	4.85	0.981	0.115	0.018	0.167A	---	---	27
30	---		0.0958	3.61	1.85	3.47	1.07	0.122	0.024	0.165E	---	---	28
31	---		0.1678		1.81		1.53	0.112		0.162E	---	---	29
TOTAL	---	---	0.517	40.361	121.74	86.452	65.163	15.614	1.320	2.765	---	---	30
MEAN	---	---	0.017	1.35	3.93	3.22	2.10	0.504	0.044	0.089	---	---	31
MAX	---	---	0.167	4.77	11.0	17.6	3.83	1.56	0.111	0.171	---	---	TOTAL
MIN	---	---	0.002	0.084	1.81	0.163	0.961	0.085	0.016	0.026	---	---	MEAN
													MAX
													MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.40
MAXIMUM DAILY, 17.6 ON JUN 24
MINIMUM DAILY, 0.0028 ON MAR 10
MAXIMUM INSTANTANEOUS, 20.6 AT 19:00 MST ON JUN 24

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 04 40 N
LONG 115 05 30 W
DRAINAGE AREA, 491 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5 630
FEB	---	AUG	1 350
MAR	44.7	SEP	114
APR	3 490	OCT	239
MAY	10 500	NOV	---
JUN	8 330	DEC	---

TOTAL DISCHARGE, 28 700 dam³

LAKE ABRAHAM NEAR NORDEGG - STATION NO. 05DC009

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1307.56	1305.95	1303.17	1298.20	1289.03	1291.10	1301.34	1307.17	1313.84	1314.05	1313.96	1310.43	1
2	1307.50	1305.89	1303.08	1297.93	1288.72	1292.20	1301.58	1307.47	1313.93	1314.05	1313.84	1310.27	2
3	1307.47	1305.79	1302.99	1297.69	1288.38	1293.02	1301.80	1307.87	1314.05	1314.11	1313.75	1310.12	3
4	1307.44	1305.70	1302.84	1297.35	1288.08	1293.57	1301.95	1308.26	1314.15	1314.08	1313.66	1309.94	4
5	1307.38	1305.61	1302.78	1297.02	1287.78	1294.03	1301.95	1308.59	1314.24	1314.15	1313.60	1309.79	5
6	1307.38	1305.52	1302.68	1296.74	1287.48	1294.46	1301.98	1309.02	1314.24	1314.11	1313.51	1309.63	6
7	1307.29	1305.46	1302.56	1296.41	1287.20	1294.94	1301.98	1309.33	1314.21	1314.11	1313.35	1309.45	7
8	1307.23	1305.37	1302.47	1296.07	1286.90	1295.43	1302.08	1309.73	1314.18	1314.24	1313.17	1309.30	8
9	1307.20	1305.28	1302.38	1295.80	1286.62	1295.80	1302.20	1310.09	1314.18	1314.33	1313.08	1309.18	9
10	1307.13	1305.18	1302.26	1295.49	1286.26	1296.10	1302.32	1310.40	1314.18	1314.39	1312.90	1308.99	10
11	1307.07	1305.12	1302.14	1295.22	1285.95	1296.53	1302.44	1310.70	1314.18	1314.48	1312.77	1308.84	11
12	1307.04	1305.00	1302.01	1294.91	1285.62	1296.92	1302.53	1311.13	1314.15	1314.54	1312.68	1308.69	12
13	1306.98	1304.91	1301.89	1294.61	1285.22	1297.17	1302.62	1311.43	1314.11	1314.60	1312.59	1308.57	13
14	1306.92	1304.82	1301.77	1294.30	1284.95	1297.38	1302.68	1311.77	1314.08	1314.60	1312.62	1308.41	14
15	1306.92	1304.70	1301.65	1293.97	1284.58	1297.78	1302.78	1312.04	1314.02	1314.63	1312.56	1308.26	15
16	1306.89	1304.60	1301.53	1293.63	1284.18	1298.08	1302.81	1312.26	1313.99	1314.69	1312.53	1308.08	16
17	1306.83	1304.48	1301.40	1293.30	1283.78	1298.27	1303.08	1312.44	1313.96	1314.63	1312.41	1307.96	17
18	1306.80	1304.36	1301.37	1292.96	1283.42	1298.57	1303.29	1312.59	1313.93	1314.57	1312.29	1307.77	18
19	1306.74	1304.24	1301.31	1292.66	1283.09	1299.00	1303.48	1312.74	1313.87	1314.51	1312.19	1307.62	19
20	1306.68	1304.09	1301.10	1292.32	1283.12	1299.24	1303.78	1312.80	1313.87	1314.45	1312.01	1307.44	20
21	1306.65	1304.00	1300.95	1292.05	1283.30	1299.30	1304.12	1312.87	1313.84	1314.42	1311.92	1307.29	21
22	1306.59	1303.87	1300.73	1291.74	1283.36	1299.33	1304.48	1312.90	1313.75	1314.39	1311.83	1307.10	22
23	1306.53	1303.78	1300.52	1291.47	1283.48	1299.42	1304.82	1312.96	1313.69	1314.36	1311.71	1306.95	23
24	1306.48	1303.66	1300.25	1291.10	1283.54	1299.70	1305.12	1312.99	1313.66	1314.33	1311.58	1306.77	24
25	1306.43	1303.54	1300.03	1290.83	1283.67	1300.03	1305.40	1313.05	1313.72	1314.30	1311.52	1306.62	25
26	1306.37	1303.48	1299.79	1290.52	1284.03	1300.25	1305.67	1313.11	1313.84	1314.30	1311.31	1306.43	26
27	1306.28	1303.39	1299.51	1290.22	1284.91	1300.40	1305.92	1313.14	1313.93	1314.24	1311.13	1306.25	27
28	1306.25	1303.26	1299.24	1289.94	1286.10	1300.52	1306.13	1313.26	1314.02	1314.18	1310.98	1306.13	28
29	1306.16		1299.00	1289.61	1287.44	1300.78	1306.43	1313.41	1314.08	1314.11	1310.82	1305.95	29
30	1306.10		1298.75	1289.36	1288.78	1301.13	1306.65	1313.57	1314.05	1314.05	1310.64	1305.76	30
31	1306.04		1298.48		1289.94		1306.86	1313.72		1313.99		1305.61	31
MEAN	1306.85	1304.68	1301.31	1293.78	1285.77	1297.35	1303.56	1311.38	1314.00	1314.32	1312.43	1308.05	MEAN
MAX	1307.56	1305.95	1303.17	1298.20	1289.94	1301.13	1306.86	1313.72	1314.24	1314.69	1313.96	1310.43	MAX
MIN	1306.04	1303.26	1298.48	1289.36	1283.09	1291.10	1301.34	1307.17	1313.66	1313.99	1310.64	1305.61	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MEAN, 1304.46
MAXIMUM DAILY, 1314.69 ON OCT 15
MINIMUM DAILY, 1283.09 ON MAY 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 18 28 N
LONG 116 19 42 W
DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED SINCE 1972

DRAINAGE AREA,
3 890 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE ATHABASCA AT BUSTARD ISLAND - STATION NO. 07MD002

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	208.895	208.580	208.505	208.408	---	209.126	209.504	209.580	209.542	209.295	209.073	208.894	1
2	208.871	208.591	208.514	208.454	---	209.006	209.418	209.581	209.538	209.215	209.076	208.904	2
3	208.858	208.576	208.498	208.500	---	209.160	209.405	209.621	209.591	209.216	209.076	208.908	3
4	208.852	208.563	208.523	208.494	---	209.138	209.673	209.611	209.589	209.217	209.039	208.904	4
5	208.871	208.557	208.469	208.487	---	209.173	209.533	209.597	209.524	209.174	209.058	208.899	5
6	208.877	208.550	208.485	208.484	---	209.140	209.418	209.598	209.481	209.245	209.082	208.918	6
7	208.862	208.563	208.492	208.478	---	209.221	209.410	209.623	209.604	209.214	209.020	208.937	7
8	208.858	208.571	208.503	208.486	---	209.224	209.427	209.594	209.582	209.195	208.994	208.895	8
9	208.852	208.572	208.477	---	---	209.343	209.422	209.650	209.584	209.123	208.955	208.904	9
10	208.885	208.561	208.467	---	---	209.263	209.426	209.668	209.662	209.226	209.000	208.900	10
11	208.834	208.545	208.469	---	---	209.279	209.438	209.636	209.547	209.142	208.978	208.903	11
12	208.859	208.545	208.466	---	---	209.261	209.459	209.628	209.443	209.168	208.864	208.900	12
13	208.851	208.546	208.461	---	208.911	209.244	209.445	209.655	209.401	209.228	209.000	208.890	13
14	208.842	208.534	208.454	---	208.928	209.297	209.455	209.548	209.439	209.167	208.970	208.898	14
15	208.836	208.536	208.448	---	208.932	209.341	209.563	209.725	209.408	209.190	208.999	208.891	15
16	208.817	208.539	208.443	---	208.948	209.333	209.494	209.654	209.418	209.186	208.970	208.878	16
17	208.831	208.542	208.433	---	209.010	209.304	209.482	209.698	209.417	209.200	208.943	208.862	17
18	208.820	208.534	208.435	---	208.998	209.340	209.408	209.639	209.384	209.171	208.942	208.860	18
19	208.830	208.533	208.433	---	209.002	209.342	209.449	209.628	209.383	209.150	208.964	208.866	19
20	208.597	208.536	208.430	---	209.024	209.153	209.355	209.617	209.407	209.186	208.966	208.864	20
21	208.598	208.530	208.454	---	209.020	209.327	209.422	209.620	209.358	209.183	208.954	208.852	21
22	208.608	208.531	208.426	---	209.018	209.387	209.500	209.602	209.389	209.195	208.946	208.850	22
23	208.624	208.545	208.434	---	209.024	209.358	209.438	209.624	209.459	209.198	208.967	208.867	23
24	208.585	208.557	208.445	---	209.047	209.372	209.447	209.623	209.588	209.235	208.928	208.867	24
25	208.596	208.542	208.436	---	209.053	209.380	209.458	209.606	209.475	209.186	208.931	208.864	25
26	208.615	208.535	208.447	---	209.068	209.337	209.500	209.626	209.501	209.150	208.966	208.850	26
27	208.584	208.539	208.430	---	209.032	209.393	209.526	209.602	209.351	209.215	208.924	208.837	27
28	208.582	208.518	208.423	---	209.086	209.389	209.539	209.587	209.306	209.138	208.936	208.848	28
29	208.574		208.430	---	209.168	209.409	209.586	209.586	209.275	209.053	208.920	208.846	29
30	208.595		208.425	---	209.168	209.431	209.546	209.454	209.281	209.082	208.908	208.835	30
31	208.600		208.406		209.086		209.570	209.506		208.950		208.129	31
MEAN	208.637	208.550	208.457	---	---	209.282	209.473	209.619	209.463	209.179	208.982	208.878	MEAN
MAX	208.895	208.591	208.523	---	---	209.431	209.673	209.725	209.662	209.295	209.082	208.937	MAX
MIN	208.574	208.518	208.406	---	---	209.006	209.355	209.454	209.275	208.950	208.908	208.829	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MAXIMUM DAILY, 209.725 ON AUG 15
MINIMUM DAILY, 208.406 ON MAR 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 46 55 N
LONG 110 46 40 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1967

DRAINAGE AREA,
271 000 km²

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

LAKE ATHABASCA AT FORT CHIPEWYAN - STATION NO. 07MD001

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	208.418	208.054	207.894	208.597	---	---	209.577	209.482	209.248	209.001	208.801	1
2	208.548	208.421	208.080	207.865	208.618	---	---	209.561	209.468	209.137	209.020	208.812	2
3	208.559	208.387	208.070	207.877	208.635	---	---	209.622	209.513	209.132	209.023	208.822	3
4	208.561	208.370	208.137	207.968	208.655	209.104	---	209.583	209.544	208.128	208.973	208.824	4
5	208.586	208.352	208.064	207.954	208.675	209.174	---	209.550	209.458	209.080	208.986	208.819	5
6	208.554	208.346	208.087	207.943	208.827	209.111	---	209.550	209.393	209.191	209.011	208.840	6
7	208.531	208.349	208.118	207.957	208.831	209.230	209.371	209.570	209.581	209.141	208.950	208.850	7
8	208.512	208.353	208.139	208.041	208.891	209.188	209.423	209.651	209.588	209.120	208.928	208.809	8
9	208.510	208.357	208.107	207.979	208.888	209.373	209.420	209.575	209.587	208.972	208.911	208.421	9
10	208.518	208.341	208.074	208.011	208.903	209.115	209.401	209.594	209.725	209.139	208.930	208.815	10
11	208.468	208.321	208.100	208.029	208.877	209.231	209.433	209.544	209.561	209.050	208.910	208.803	11
12	208.502	208.312	208.087	208.029	208.909	209.208	209.482	209.511	209.395	209.081	208.902	208.805	12
13	208.482	208.304	208.086	208.050	208.889	209.170	209.450	209.559	209.350	209.161	208.925	208.774	13
14	208.470	208.285	208.045	208.081	208.867	209.254	209.471	209.354	209.397	209.096	208.897	208.779	14
15	208.466	208.270	208.021	208.116	208.856	209.327	209.543	209.608	209.346	209.109	208.931	208.756	15
16	208.448	208.271	208.013	208.130	208.865	209.292	209.578	209.541	209.358	209.128	208.895	208.751	16
17	208.466	208.274	208.003	208.172	208.840	209.252	209.503	209.600	209.359	209.123	208.881	208.742	17
18	208.467	208.270	208.015	208.194	208.868	209.307	209.381	209.512	209.293	209.108	208.872	208.744	18
19	208.482	208.275	208.025	208.215	208.941	209.263	209.440	209.471	209.317	209.087	208.885	208.752	19
20	208.439	208.267	208.001	208.278	209.002	208.975	209.305	209.488	209.355	209.136	208.885	208.749	20
21	208.454	208.259	208.043	208.272	208.979	209.202	209.431	209.491	209.290	209.133	208.859	208.736	21
22	208.450	208.252	207.980	208.293	208.972	---	209.807	209.481	209.322	209.125	208.861	208.731	22
23	208.468	208.254	207.987	208.307	208.969	---	---	209.516	209.442	209.116	208.884	208.747	23
24	208.447	208.272	208.007	208.328	209.049	---	---	209.536	209.620	209.152	208.823	208.739	24
25	208.444	---	207.988	208.356	---	---	---	209.566	209.467	209.112	208.840	208.736	25
26	208.475	---	208.014	208.411	---	---	---	209.611	209.581	209.057	208.872	208.718	26
27	208.435	208.186	207.979	208.467	---	---	---	209.562	209.312	209.135	208.834	208.711	27
28	208.439	208.152	207.958	208.513	---	---	---	209.546	209.245	209.039	208.843	208.716	28
29	208.416		207.957	208.547	---	---	209.519	209.539	209.199	208.941	208.833	208.707	29
30	208.420		207.949	208.574	---	---	209.615	209.322	209.212	208.981	208.821	208.698	30
31	208.437		207.934		---	---	209.553	209.569		208.901		208.699	31
							209.574						
MEAN	---	---	208.037	208.158	---	---	---	209.541	209.424	209.099	208.907	208.758	MEAN
MAX	---	---	208.139	208.574	---	---	---	209.651	209.725	209.248	209.023	208.850	MAX
MIN	---	---	207.934	207.894	---	---	---	209.322	209.199	208.901	208.821	208.698	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 209.725 ON SEP 10
MINIMUM DAILY, 207.894 ON APR 1

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 42 40 N
LONG 111 08 50 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1967

DRAINAGE AREA
271 000 km²

LAKE CLAIRE NEAR OUTLET TO PRAIRIE RIVER - STATION NO. 07KF002

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	208.873	208.839	208.808	208.780	---	209.275	---	209.593	209.447	209.346	209.184	209.114	1
2	208.871	208.835	208.805	208.767	---	---	---	209.612	209.536	209.342	209.166	209.119	2
3	208.859	208.828	208.802	208.776	---	---	---	209.594	209.547	209.320	209.151	209.118	3
4	208.855	208.826	208.808	208.777	---	---	---	209.627	209.472	---	209.151	209.124	4
5	208.858	208.819	208.802	208.776	---	209.358	---	209.630	209.490	---	209.151	209.118	5
6	208.859	208.813	208.804	208.778	---	209.430	---	209.610	209.526	---	209.148	209.116	6
7	208.862	208.814	208.808	208.777	---	209.352	---	209.605	209.426	---	209.152	209.118	7
8	208.860	208.811	208.809	208.798	---	209.380	---	209.576	209.401	---	209.148	209.114	8
9	208.857	208.817	208.812	208.820	---	209.301	---	209.591	209.418	---	209.144	209.116	9
10	208.858	208.815	208.806	208.819	---	209.476	---	209.571	209.331	209.378	209.140	209.117	10
11	208.853	208.808	208.788	208.812	---	209.367	---	209.578	209.406	209.284	209.142	209.123	11
12	208.861	208.806	208.793	208.813	---	209.399	---	209.651	209.408	209.304	209.131	209.117	12
13	208.865	208.810	208.788	208.821	209.223	209.424	---	209.583	209.432	209.272	209.130	209.121	13
14	208.859	208.806	208.790	208.826	209.262	209.357	---	209.767	209.427	209.276	209.128	209.122	14
15	208.866	208.811	208.792	208.825	209.250	208.277	---	209.609	209.418	209.282	209.119	209.122	15
16	208.865	208.815	208.797	208.827	209.188	208.314	---	208.559	208.426	208.247	209.131	209.117	16
17	208.864	208.823	208.787	208.857	209.191	209.324	---	209.534	208.424	---	209.132	209.118	17
18	208.873	208.835	208.796	208.903	209.233	209.293	---	209.579	209.439	---	209.130	209.115	18
19	208.877	208.820	208.797	208.879	209.227	209.352	---	209.611	209.407	---	209.133	209.107	19
20	208.872	208.810	208.802	209.048	209.219	209.566	---	209.583	209.380	---	209.131	209.116	20
21	208.872	208.810	208.792	209.084	209.272	209.496	---	208.501	208.381	---	209.136	209.119	21
22	208.873	208.810	208.796	209.083	209.283	209.361	---	209.565	208.389	---	209.127	209.116	22
23	208.862	208.810	208.791	209.077	209.282	209.387	---	209.530	209.271	209.213	209.129	209.119	23
24	208.863	208.809	208.788	209.082	209.234	209.388	209.672	209.589	209.115	209.219	209.128	209.108	24
25	208.862	208.808	208.789	209.102	209.278	---	209.596	209.509	209.252	209.216	209.126	209.110	25
26	208.850	208.807	208.788	209.124	209.286	---	209.551	209.505	209.253	209.223	209.128	209.112	26
27	208.852	208.806	208.785	209.139	209.336	---	209.558	209.504	209.385	209.223	209.130	209.118	27
28	208.849	208.806	208.782	---	209.286	---	209.553	209.520	209.396	209.231	209.132	209.119	28
29	208.845		208.776	---	209.267	---	209.577	209.512	209.402	209.217	209.127	209.117	29
30	208.847		208.773	---	209.197	---	209.623	209.643	209.389	209.204	209.125	209.112	30
31	208.841		208.771		209.325		209.633	209.456		209.195		209.107	31
MEAN	208.861	208.815	208.795	---	---	---	---	209.580	209.400	---	209.138	209.116	MEAN
MAX	208.877	208.838	208.812	---	---	---	---	209.767	209.547	---	209.184	209.124	MAX
MIN	208.841	208.806	208.771	---	---	---	---	209.456	209.115	---	209.118	209.107	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 38 00 N
LONG 111 41 50 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

LAKE MINNEWANKA NEAR BANFF - STATION NO. 05BD003

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1469.32	1468.80	1468.40	1467.70	1467.18	1469.41	1471.18	1472.34	1473.37	1472.82	1474.59	1474.41	1
2	1469.29	1468.80	1468.40	1467.84	1467.08	1469.85	1471.21	1472.80	1473.37	1473.82	1474.62	1474.38	2
3	1469.26	1468.80	1468.37	1467.81	1467.12	1469.84	1471.27	1472.63	1473.37	1473.85	1474.62	1474.32	3
4	1469.26	1468.77	1468.34	1467.58	1467.15	1469.86	1471.33	1472.49	1473.11	1473.84	1474.58	1474.22	4
5	1469.29	1468.74	1468.34	1467.61	1467.19	1470.02	1471.42	1472.55	1473.37	1474.01	1474.58	1474.29	5
6	1469.32	1468.61	1468.28	1467.61	1467.19	1470.05	1471.48	1472.61	1473.40	1474.08	1474.58	1474.25	6
7	1469.17	1468.65	1468.22	1467.58	1467.19	1470.11	1471.51	1472.67	1473.43	1474.07	1474.58	1474.28	7
8	1469.14	1468.65	1468.25	1467.55	1467.19	1470.14	1471.54	1472.70	1473.43	1474.10	1474.58	1474.23	8
9	1469.08	1468.68	1468.25	1467.52	1467.22	1470.20	1471.60	1472.76	1473.43	1474.13	1474.58	1474.13	9
10	1469.04	1468.65	1468.22	1467.52	1467.25	1470.20	1471.67	1472.79	1473.46	1474.17	1474.58	1474.10	10
11	1469.08	1468.65	1468.15	1467.46	1467.28	1470.28	1471.73	1472.85	1473.49	1474.20	1474.58	1474.07	11
12	1469.08	1468.58	1468.15	1467.46	1467.28	1470.28	1471.78	1472.80	1473.49	1474.23	1474.65	1474.01	12
13	1469.01	1468.55	1468.10	1467.46	1467.28	1470.28	1471.82	1472.85	1473.49	1474.28	1474.68	1473.98	13
14	1468.98	1468.55	1468.07	1467.46	1467.31	1470.28	1471.88	1473.01	1473.53	1474.28	1474.65	1473.98	14
15	1468.95	1468.55	1468.07	1467.43	1467.31	1470.38	1471.94	1473.04	1473.53	1474.29	1474.65	1473.92	15
16	1468.95	1468.56	1468.07	1467.40	1467.31	1470.38	1471.97	1473.07	1473.56	1474.32	1474.65	1473.89	16
17	1468.95	1468.53	1468.04	1467.37	1467.34	1470.42	1472.03	1473.10	1473.56	1474.32	1474.65	1473.77	17
18	1468.95	1468.53	1468.01	1467.34	1467.37	1470.54	1472.03	1473.13	1473.59	1474.35	1474.65	1473.71	18
19	1468.95	1468.50	1467.98	1467.37	1467.37	1470.66	1472.06	1473.16	1473.62	1474.38	1474.62	1473.65	19
20	1468.95	1468.62	1467.95	1467.37	1467.40	1470.66	1472.12	1473.10	1473.65	1474.41	1474.62	1473.62	20
21	1468.92	1468.60	1467.92	1467.37	1467.48	1470.66	1472.15	1473.22	1473.65	1474.41	1474.62	1473.62	21
22	1468.92	1468.60	1467.92	1467.31	1467.52	1470.80	1472.18	1473.25	1473.68	1474.44	1474.58	1473.56	22
23	1468.92	1468.60	1467.92	1467.28	1467.55	1470.84	1472.21	1473.25	1473.68	1474.47	1474.58	1473.49	23
24	1468.89	1468.60	1467.89	1467.25	1467.58	1470.75	1472.21	1473.28	1473.71	1474.47	1474.58	1473.43	24
25	1468.89	1468.37	1467.86	1467.22	1467.67	1470.78	1472.21	1473.31	1473.77	1474.47	1474.53	1473.40	25
26	1468.86	1468.37	1467.75	1467.22	1467.70	1470.81	1472.21	1473.34	1473.80	1474.50	1474.50	1473.40	26
27	1468.86	1468.37	1467.76	1467.25	1468.01	1470.84	1472.21	1473.37	1473.83	1474.53	1474.47	1473.40	27
28	1468.86	1468.37	1467.73	1467.22	1468.29	1470.93	1472.21	1473.40	1473.86	1474.53	1474.44	1473.37	28
29	1468.83		1467.73	1467.18	1468.56	1471.03	1472.18	1473.40	1473.89	1474.56	1474.41	1473.31	29
30	1468.83		1467.76	1467.18	1468.85	1471.09	1472.21	1473.37	1473.92	1474.58	1474.41	1473.28	30
31	1468.80		1467.73		1469.17		1472.28	1473.37		1474.58		1473.19	31
MEAN	1469.02	1468.56	1468.05	1467.42	1467.53	1470.40	1471.87	1472.99	1473.58	1474.29	1474.61	1473.83	MEAN
MAX	1469.32	1468.80	1468.40	1467.70	1469.17	1471.09	1472.28	1473.40	1473.92	1474.58	1474.68	1474.41	MAX
MIN	1468.80	1468.37	1467.73	1467.18	1467.08	1469.41	1471.18	1472.34	1473.37	1473.82	1474.41	1473.19	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MEAN, 1471.03
MAXIMUM DAILY, 1474.68 ON NOV 5
MINIMUM DAILY, 1467.08 ON MAY 2

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 16 10 N
LONG 115 29 10 W
DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

DRAINAGE AREA,
667 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE SHERBURNE - STATION NO 05AE036

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1452.473E	1453.289	1454.685	1454.746	1456.359	1457.877	1459.471	1455.676	1448.036	1445.748	1451.467	1453.196	1
2	1452.482E	1453.320	1454.783	1454.798	1456.405	1457.907	1459.466	1455.675	1447.803	1448.836	1451.512	1453.236	2
3	1452.473	1453.326	1454.917	1454.731	1456.467	1457.904	1459.285	1455.285	1447.500	1448.016	1451.570	1453.271	3
4	1452.508	1453.357	1454.999	1454.694	1456.575	1457.941	1459.364	1455.054	1447.498	1448.070	1451.618	1453.326	4
5	1452.530	1453.369	1455.075	1454.676	1456.706	1458.069	1459.321	1454.841	1447.783	1450.056	1451.858	1453.353	5
6	1452.543	1453.381	1455.143	1454.618	1456.822	1458.202	1459.286	1454.646	1447.831	1450.187	1451.911	1453.380	6
7	1452.564	1453.402	1455.240	1454.590	1456.910	1458.447	1459.242	1454.430	1447.876	1450.276	1451.780	1453.421	7
8	1452.576	1453.421	1455.281	1454.563	1456.998	1458.617	1459.178	1454.195	1447.937	1450.440	1451.781	1453.445	8
9	1452.595	1453.433	1455.432	1454.548	1457.078	1458.773	1459.080	1453.868	1448.044	1450.583	1451.817	1453.488	9
10	1452.616	1453.465	1455.502	1454.548	1457.130	1458.934	1458.974	1453.725	1448.187	1450.717	1451.845	1453.485	10
11	1452.628	1453.480	1455.575	1454.548	1457.191	1459.090	1458.881	1453.488	1448.248	1450.824	1451.815	1453.521	11
12	1452.652	1453.478	1455.640	1454.538	1457.260	1459.224	1458.748	1453.283	1448.330	1450.936	1451.812	1453.542	12
13	1452.665	1453.509	1455.694	1454.548	1457.270	1459.297	1458.636	1453.021	1448.419	1451.037	1451.884	1453.570	13
14	1452.671	1453.530	1455.752	1454.542	1457.270	1459.340	1458.529	1452.793	1448.495	1451.113	1452.006	1453.594	14
15	1452.683	1453.565	1455.804	1454.526	1457.270	1459.337	1458.422	1452.524	1448.568	1451.182	1452.048	1453.622	15
16	1452.701	1453.587	1455.844	1454.505	1457.273	1459.352	1458.306	1452.287	1448.641	1451.250	1452.098	1453.634	16
17	1452.713	1453.619	1455.771	1454.475	1457.249	1459.367	1458.219	1452.034	1448.708	1451.317	1452.137	1453.661	17
18	1452.765	1453.634	1455.853	1454.441	1457.224	1459.392	1458.119	1451.787	1448.803	1451.386	1452.198	1453.683	18
19	1452.841	1453.670	1455.887	1454.408	1457.261	1459.398	1458.002	1451.531	1448.885	1451.427	1452.244	1453.695	19
20	1452.880	1453.885	1456.033	1454.374	1457.288	1459.413	1457.884	1451.281	1448.958	1451.481	1452.323	1453.707	20
21	1452.938	1453.704	1456.075	1454.347	1457.508	1459.379	1457.721	1451.019	1449.006	1451.448	1452.393	1453.747	21
22	1452.979	1453.734	1456.106	1454.305	1457.641	1459.340	1457.551	1450.782	1449.123	1451.430	1452.451	1453.762	22
23	1453.024	1453.774	1456.142	1454.472	1457.638	1459.337	1457.386	1450.468	1449.172	1451.415	1452.530	1453.788	23
24	1453.052	1453.872	1456.215	1454.447	1457.548	1459.343	1457.203	1450.177	1449.226	1451.400	1452.671	1453.802	24
25	1453.082	1454.036	1456.258	1454.429	1457.538	1459.367	1457.023	1449.912	1449.287	1451.381	1452.782	1453.820	25
26	1453.134	1454.262	1456.313	1454.468	1457.623	1459.388	1456.853	1449.650	1449.378	1451.369	1452.884	1453.832	26
27	1453.156	1454.464	1456.362	1454.464	1457.785	1459.419	1456.681	1449.373	1449.446	1451.381	1452.978	1453.853	27
28	1453.171	1454.564	1456.441	1454.414	1457.907	1459.434	1456.485	1449.105	1449.522	1451.333	1453.040	1453.869	28
29	1453.188		1456.505	1454.380	1457.944	1459.483	1456.284	1448.824	1449.589	1451.330	1453.104	1453.887	29
30	1453.236		1456.420	1454.334	1457.919	1459.492	1456.083	1448.547	1449.653	1451.339	1453.155	1453.890	30
31	1453.285		1456.703		1457.816		1455.871	1448.300		1451.367		1453.914	31
MEAN	1452.800	1453.639	1455.786	1454.518	1457.253	1458.907	1458.113	1452.174	1448.812	1450.929	1452.184	1453.512	MEAN
MAX	1453.285	1454.564	1456.703	1454.746	1457.944	1459.492	1459.471	1455.676	1449.653	1451.481	1453.155	1453.914	MAX
MIN	1452.473	1453.289	1454.685	1454.334	1456.359	1457.877	1455.871	1448.300	1447.498	1448.016	1451.467	1453.196	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MEAN, 1454.223
MAXIMUM DAILY, 1459.492 ON JUN 30
MINIMUM DAILY, 1447.498 ON SEP 3
MAXIMUM INSTANTANEOUS,
1459.606 AT 19:20 MST ON JUN 30

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 49 43 N
LONG 113 31 15 W

E - ESTIMATED

REGULATED

DRAINAGE AREA,
167 km²

WATER LEVELS ARE REFERRED TO UNITED STATES RECLAMATION SERVICE DATUM
APPLY 2.880 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

LALBY CREEK NEAR GIROUXVILLE - STATION NO. 07GJ005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.875 B	0.322	0.120	0.007	0.026	0	0	---	---	1
2	---	---	0 B	0.624 B	0.286	0.102	0.007	0.025	0	0	---	---	2
3	---	---	0 B	1.27 B	0.232	0.082	0.006	0.023	0	0	---	---	3
4	---	---	0 B	4.16 B	0.190	0.075	0.007	0.022	0	0	---	---	4
5	---	---	0 B	11.7 B	0.157	0.064	0.008	0.020	0	0	---	---	5
6	---	---	0 B	19.8	0.205	0.055	0.007	0.017	0	0	---	---	6
7	---	---	0 B	16.3	0.194	0.037	0.007	0.014	0	0	---	---	7
8	---	---	0 B	12.3	0.195	0.025	0.006	0.012	0	0	---	---	8
9	---	---	0 B	6.22	0.198	0.022	0.006	0.009	0	0	---	---	9
10	---	---	0 B	2.95	0.201	0.016	0.007	0.009	0	0	---	---	10
11	---	---	0 B	0.588	0.212	0.012	0.008	0.008	0	0	---	---	11
12	---	---	0 B	0.773	0.217	0.010	0.009	0.007	0	0	---	---	12
13	---	---	0 B	0.706	0.222	0.004	0.012	0.007	0	0	---	---	13
14	---	---	0 B	0.597	0.227	0.007	0.022	0.008	0	0	---	---	14
15	---	---	0 B	0.698	0.240	0.005	0.034	0.005	0	0	---	---	15
16	---	---	0 B	2.62	0.222	0.003	0.018	0.004	0	0	---	---	16
17	---	---	0 B	7.63	0.204	0.003	0.026	0.004	0	0	---	---	17
18	---	---	0 B	5.61	0.173	0.002	0.024	0.003	0	0	---	---	18
19	---	---	0 B	4.00	0.184	0.002	0.024	0.002	0	0	---	---	19
20	---	---	0 B	2.44	0.121	0.001	0.035	0.001	0	0	---	---	20
21	---	0B	0 B	1.54	0.190	0.001	0.032	0	0	0	---	---	21
22	---	0B	0 B	1.15	0.205	0.001	0.027	0	0	0	---	---	22
23	---	0B	0 B	0.924	0.215	0.002	0.045	0	0	0	---	---	23
24	---	0B	0 B	0.720	0.208	0.003	0.036	0	0	0	---	---	24
25	---	0B	0 B	0.847	0.190	0.004	0.019	0	0	0	---	---	25
26	---	0B	0.001 B	0.602	0.176	0.005	0.017	0	0	0	---	---	26
27	---	0B	0.061 B	0.854	0.179	0.005	0.020	0	0	0	---	---	27
28	---	0B	0.367 B	0.456	0.168	0.006	0.023	0	0	0	---	---	28
29	---		0.769 B	0.802	0.160	0.007	0.027	0	0	0	---	---	29
30	---		0.971 B	0.366	0.155	0.007	0.039	0	0	0	---	---	30
31	---		0.919 B		0.125		0.027	0		0		---	31
TOTAL	---	---	3.078	111.134	6.280	0.717	0.586	0.224	0	0	---	---	TOTAL
MEAN	---	---	0.099	3.70	0.203	0.024	0.019	0.007	0	0	---	---	MEAN
MAX	---	---	0.971	19.8	0.322	0.120	0.045	0.026	0	0	---	---	MAX
MIN	---	---	0	0.366	0.125	0.001	0.006	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.408
MAXIMUM DAILY, 19.8 ON APR 6
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
24.5 AT 22:30 MST ON APR 6

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 47 20 N
LONG 117 20 10 W
DRAINAGE AREA, 150 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	50.6
FEB	---	AUG	19.4
MAR	266	SEP	0
APR	9 600	OCT	0
MAY	543	NOV	---
JUN	61.9	DEC	---

TOTAL DISCHARGE, 10 500 dam³

LATERAL 10 SPILLWAY NEAR CHIN - STATION NO. 05AG007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	0.135	0.287	0.237	0.230	0.297	0.002	---	1
2	---	---	---	---	0	0.187	0.280	0.187	0.249	0.302	0.002	---	2
3	---	---	---	---	0	0.247	0.062	0.126	0.164	0.240	0.002	---	3
4	---	---	---	---	0.005	0.210	0.062	0.121	0.111	0.407	0.002	---	4
5	---	---	---	---	0.005	0.204	0.058	0.228	0.180	0.391	0.002A	---	5
6	---	---	---	---	0.002	0.202	0.078	0.241	0.286	0.324	---	---	6
7	---	---	---	---	0.001	0.228	0.105	0.210	0.301	0.315	---	---	7
8	---	---	---	---	0.001	0.232	0.081	0.223	0.171	0.311	---	---	8
9	---	---	---	---	0.001	0.259	0.281	0.282	0.205	0.306	---	---	9
10	---	---	---	---	0.001	0.211	0.232	0.335	0.235	0.207	---	---	10
11	---	---	---	---	0.001	0.164	0.221	0.295	0.180	0.064	---	---	11
12	---	---	---	---	0	0.172	0.263	0.305	0.192	0.004	---	---	12
13	---	---	---	---	0	0.180	0.288	0.253	0.187	0.003	---	---	13
14	---	---	---	---	0.001	0.177	0.201	0.203	0.208	0.002	---	---	14
15	---	---	---	---	0.003	0.182	0.124	0.178	0.206	0.001	---	---	15
16	---	---	---	---	0.001	0.172	0.136	0.181	0.210	0.001	---	---	16
17	---	---	---	---	0	0.250	0.308	0.176	0.218	0.001	---	---	17
18	---	---	---	---	0	0.236	0.182	0.148	0.185	0.001	---	---	18
19	---	---	---	---	0	0.271	0.065	0.102	0.211	0.001	---	---	19
20	---	---	---	---	0	0.200	0.193	0.026	0.203	0	---	---	20
21	---	---	---	---	0	0.094	0.222	0.142	0.186	0.001	---	---	21
22	---	---	---	---	0.001	0.131	0.210	0.177	0.148	0.001	---	---	22
23	---	---	---	---	0.001	0.155	0.223	0.244	0.164	0.001	---	---	23
24	---	---	---	0A	0	0.151	0.390	0.201	0.275	0.001	---	---	24
25	---	---	---	0	0	0.168	0.380	0.189	0.324	0.001	---	---	25
26	---	---	---	0	0	0.159	0.411	0.288	0.372	0.001	---	---	26
27	---	---	---	0	0.061	0.108	0.313	0.322	0.351	0.001	---	---	27
28	---	---	---	0	0.001	0.222	0.188	0.400	0.357	0.001	---	---	28
29	---		---	0	0.025	0.269	0.180	0.313	0.347	0.001	---	---	29
30	---		---	0	0.150	0.309	0.178	0.334	0.317	0.002	---	---	30
31	---		---		0.183		0.133	0.330		0.003		---	31
TOTAL	---	---	---	---	0.456	6.104	6.211	7.000	7.132	3.305	---	---	TOTAL
MEAN	---	---	---	---	0.015	0.203	0.200	0.226	0.238	0.107	---	---	MEAN
MAX	---	---	---	---	0.183	0.328	0.411	0.400	0.372	0.407	---	---	MAX
MIN	---	---	---	---	0	0.094	0.042	0.026	0.111	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.184
MAXIMUM DAILY, 0.411 ON JUL 26
MINIMUM DAILY, 0 ON MAY 1

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 50 30 N
LONG 112 25 45 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	537
FEB	---	AUG	605
MAR	---	SEP	616
APR	---	OCT	286
MAY	39.3	NOV	---
JUN	527	DEC	---

TOTAL DISCHARGE, 2 610 dam³

LEE CREEK AT CARDSTON - STATION NO. 05AE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.4809	0.9300	3.78	3.78	1.84	3.63	1.09	0.188	0.488	3.02	0.8008	0.3290	1
2	0.4709	0.9200	3.38	3.87	1.92	3.38	0.842	0.183	0.457	2.49	1.10 B	0.3200	2
3	0.4609	0.9100	3.03	3.30	2.13	3.23	0.777	0.169	0.296	3.09	1.23	0.3190	3
4	0.4509	0.9008	2.80	3.36	2.70	3.15	0.881	0.209	0.339	1.89	1.17	0.3208	4
5	0.4459	0.8940	2.97	3.23	5.01	2.48	1.36	0.319	0.713	2.46	1.24	0.3250	5
6	0.4409	0.8708	2.40	3.18	4.61	3.78	1.29	0.318	0.777	2.47	1.10	0.3358	6
7	0.4459	0.8400	2.38	3.19	4.21	3.42	1.02	0.266	0.710	2.84	0.8558	0.3508	7
8	0.4509	0.8108	2.84	3.11	3.85	3.36	0.782	0.177	0.748	3.11	0.2008	0.3808	8
9	0.4708	0.7900	2.48	3.22	3.62	3.30	0.748	0.184	1.85	3.04	0.2108	0.6408	9
10	0.4908	0.7698	2.10	3.61	3.48	2.95	0.646	0.209	2.87	2.89	0.3948	0.7008	10
11	0.5208	0.7108	2.03	3.58	3.27	2.81	0.584	0.187	1.80	2.45	0.6868	1.08 E	11
12	0.5808	0.6808	1.93	3.39	3.05	2.38	0.571	0.135	1.38	2.18	0.7008	1.05 E	12
13	0.6308	0.6508	1.90	3.33	2.96	2.31	0.487	0.128	1.29	2.06	0.7708	1.02 E	13
14	0.7008	0.6108	1.81	3.32	3.10	2.22	0.467	0.124	1.31	1.96	0.8008	1.01 E	14
15	0.7808	0.5608	1.75	3.24	3.24	2.48	0.585	0.107	1.18	1.89	0.8508	0.9008	15
16	0.7708	0.5208	1.88	3.08	3.68	2.30	0.557	0.118	1.07	1.81	0.8008	0.8008	16
17	0.7808	0.4808	1.82	3.57	4.15	2.00	0.892	0.092	0.893	1.87	0.9208	0.8908	17
18	0.8008	0.4408	1.56	2.32	3.98	1.87	0.695	0.070	1.30	1.63	0.9008	0.8208	18
19	0.8208	0.4208	1.78	2.15	3.84	1.77	0.541	0.051	2.11	1.80	0.8908	0.5708	19
20	0.9008	0.4608	1.82	2.12	3.97	1.66	0.468	0.059	1.92	1.66	0.8208	0.5808	20
21	1.15 B	0.4608	2.12	2.17	4.29	1.68	0.389	0.051	1.87	1.42	0.8008	0.5608	21
22	1.10 B	0.5408	2.20	1.92	4.50	1.48	0.340	0.061	1.39	1.30	0.8258	0.5708	22
23	1.05 B	1.00 B	2.06	2.24	3.98	1.31	0.918	0.089	1.08	1.24	0.8008	0.5808	23
24	1.00 B	20.0 B	1.97	2.04	3.59	1.18	0.777	0.105	0.930	1.13	0.8408	0.6008	24
25	1.05 B	12.5 B	1.87	2.00	3.41	1.10	0.758	0.128	1.67	1.10	0.9208	0.6308	25
26	1.02 B	6.50	1.78	2.82	3.47	0.985	0.947	0.125	2.32	1.19	0.8218	0.6508	26
27	0.9808	3.69	1.81	2.61	3.58	0.972	1.02	0.171	1.83	1.17	0.7908	0.6908	27
28	0.9708	3.00	2.32	2.34	3.68	1.03	1.05	0.168	1.35	1.18	0.3508	0.7108	28
29	0.9608		2.86	2.17	3.68	1.55	0.892	0.130	1.04	1.04	0.3408	0.7208	29
30	0.9508		2.88	2.03	3.62	1.38	0.289	0.194	1.20	1.18	0.3358	0.7208	30
31	0.9408		3.00		3.60		0.221	0.269		1.108		0.7008	31
TOTAL	23.020	82.424	70.72	73.33	111.39	67.727	22.556	6.713	39.282	58.93	23.658	19.342	TOTAL
MEAN	0.743	2.29	2.28	2.46	3.59	2.26	0.728	0.152	1.28	1.83	0.785	0.624	MEAN
MAX	1.15	20.0	3.78	3.87	6.01	3.78	1.36	0.318	2.87	3.11	1.24	1.06	MAX
MIN	0.440	0.430	1.56	2.03	1.92	0.972	0.221	0.051	0.296	1.04	0.200	0.318	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.57
MAXIMUM DAILY, 20.00 ON FEB 24
MINIMUM DAILY, 0.051 ON AUG 18

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 12 06 N
LONG 113 17 45 W
DRAINAGE AREA, 207 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 950	JUL	1 950
FEB	5 350	AUG	687
MAR	6 110	SEP	3 310
APR	6 340	OCT	4 880
MAY	9 620	NOV	1 950
JUN	5 850	DEC	1 670

TOTAL DISCHARGE, 40 500 dam³

LEE CREEK BELOW CONFLUENCE OF EAST FORK - STATION NO. 05AE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.9008	1.83	1.41	2.25	0.766	0.280	0.203	0.804	---	---	1
2	---	---	0.9008	1.80	1.40	2.19	0.720	0.248	0.193	0.854	---	---	2
3	---	---	0.9008	1.69	1.55	2.15	0.706	0.255	0.183	0.792	---	---	3
4	---	---	0.9008	1.75	2.76	2.18	0.721	0.272	0.185	1.05	---	---	4
5	---	---	1.46	1.73	2.89	2.24	0.761	0.248	0.265	1.28	---	---	5
6	---	---	1.54 A	1.70	2.82	2.21	0.700	0.230	0.289	1.71	---	---	6
7	---	---	1.56	1.78	2.56	2.22	0.649	0.218	0.275	1.22	---	---	7
8	---	---	1.57	1.89	2.41	2.21	0.617	0.211	0.310	1.51	---	---	8
9	---	---	1.47	2.06	2.26	2.19	0.600	0.282	1.00	1.27	---	---	9
10	---	---	1.38	2.24	2.18	1.85	0.556	0.233	0.807	1.23	---	---	10
11	---	---	1.31	2.30	2.06	1.82	0.550	0.218	0.428	1.18	---	---	11
12	---	---	1.31	1.99	1.92	1.76	0.511	0.211	0.401	1.13	---	---	12
13	---	---	1.30	2.31	1.91	1.80	0.497	0.212	0.387	0.999	---	---	13
14	---	---	1.27	2.54	1.96	1.48	0.471	0.210	0.380	0.956	---	---	14
15	---	---	1.22	2.58	1.96	1.67	0.453	0.198	0.369	0.933	---	---	15
16	---	---	1.19	2.84	2.12	1.39	0.468	0.189	0.380	0.916	---	---	16
17	---	---	1.19	2.81	2.42	1.28	0.508	0.193	0.388	0.878	---	---	17
18	---	---	1.19	2.73	2.41	1.23	0.456	0.172	0.387	0.817	---	---	18
19	---	---	1.19	2.70	2.36	1.18	0.441	0.164	0.372	0.777	---	---	19
20	---	---	1.19	2.81	2.25	1.12	0.434	0.170	0.384	0.761	---	---	20
21	---	---	1.27	3.11	2.24	1.05	0.430	0.185	0.881	0.701	---	---	21
22	---	---	1.26	3.06	2.13	0.992	0.415	0.180	0.498	0.674	---	---	22
23	---	---	1.25	2.16	2.01	0.934	0.385	0.199	0.480	0.604	---	---	23
24	---	---	1.23	1.75	1.99	0.908	0.370	0.192	0.436	0.667	---	---	24
25	---	---	1.18	1.71	1.97	0.897	0.362	0.190	0.589	0.689	---	---	25
26	---	---	1.19	1.68	1.97	0.828	0.361	0.193	0.703	0.694	---	---	26
27	---	---	1.28	1.84	3.04	0.827	0.346	0.167	0.610	0.731	---	---	27
28	---	---	1.84	1.69	3.08	0.808	0.327	0.162	0.527	0.718A	---	---	28
29	---		1.70	1.60	3.04	0.994	0.312	0.138	0.473	0.700E	---	---	29
30	---		1.89	1.43	2.96	0.828	0.301	0.185	0.478	0.700E	---	---	30
31	---		1.86		2.46		0.291	0.290		0.700E		---	31
TOTAL	---	---	40.700	63.58	67.98	46.465	15.687	6.178	13.095	28.304	---	---	TOTAL
MEAN	---	---	1.31	2.12	2.18	1.51	0.500	0.199	0.437	0.912	---	---	MEAN
MAX	---	---	1.86	3.11	3.96	2.24	0.766	0.272	1.00	1.51	---	---	MAX
MIN	---	---	0.800	1.43	1.40	0.809	0.291	0.138	0.192	0.674	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.952
MAXIMUM DAILY, 3.96 ON MAY 30
MINIMUM DAILY, 0.138 ON AUG 28

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 30 N
LONG 113 02 30 W
DRAINAGE AREA, 84.5 km²
R - MANUAL GAUGE

E - ESTIMATED
-NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 240
FEB	---	AUG	536
MAR	3 530	SEP	1 150
APR	5 480	OCT	2 440
MAY	5 870	NOV	---
JUN	3 830	DEC	---

TOTAL DISCHARGE, 18 200 dam³

LESSER SLAVE LAKE AT FAUST - STATION NO 07BJ002

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	576.682	576.613	576.887	576.783	576.578	---	---	1
2	---	---	---	---	---	576.633	576.587	576.887	576.886	576.572	---	---	2
3	---	---	---	---	---	576.634	576.603	576.887	576.885	576.584	---	---	3
4	---	---	---	---	---	576.644	576.573	576.880	576.883	576.577	---	---	4
5	---	---	---	---	---	576.643	576.604	576.887	576.878	576.589	---	---	5
6	---	---	---	---	---	576.639	576.584	576.888	576.878	576.570	---	---	6
7	---	---	---	---	---	576.61[illegible]	576.589	576.871	576.874	576.600	---	---	7
8	---	---	---	576.1986	---	576.[illegible]	576.601	576.869	576.882	576.589	---	---	8
9	---	---	---	---	---	576.[illegible]	576.595	576.863	576.882	576.570	---	---	9
10	---	---	---	---	---	576.[illegible]	576.594	576.859	576.883	576.578	---	---	10
11	---	---	---	---	---	576.592	576.594	576.861	576.882	576.577	---	---	11
12	---	---	---	---	---	576.589	576.572	576.838	576.869	576.570	---	---	12
13	---	---	---	---	---	576.624	576.578	576.835	576.862	576.570	---	---	13
14	---	---	---	---	---	576.619	576.570	576.813	576.838	576.589	---	---	14
15	---	---	---	---	---	576.618	576.624	576.783	576.824	576.570	---	---	15
16	---	---	---	---	---	576.612	576.672	576.800	576.823	576.570	---	---	16
17	---	---	---	---	---	576.606	576.682	576.808	576.818	576.583	---	---	17
18	---	---	---	576.2834	---	576.602	576.715	576.794	576.813	576.559	---	---	18
19	---	---	---	576.276	---	576.572	576.736	576.778	576.810	576.563	---	---	19
20	---	---	---	576.281	---	576.556	576.782	576.799	576.806	576.585	---	---	20
21	---	---	---	576.295	---	576.607	576.806	576.762	576.801	576.555	---	---	21
22	---	---	---	576.302	---	576.623	576.808	576.760	576.782	576.554	---	---	22
23	---	---	---	576.310	576.5856	576.627	576.825	576.760	576.812	576.558	---	---	23
24	---	---	---	576.317	576.595	576.618	576.820	576.762	576.795	576.543	---	---	24
25	---	---	---	576.2232	576.606	576.612	576.830	576.727	576.795	576.540	---	---	25
26	---	---	---	---	576.618	576.610	576.803	576.750	576.811	576.547	---	---	26
27	---	576.2836	576.1816	---	576.620	576.614	576.854	576.732	576.793	576.528	---	---	27
28	---	---	---	---	576.638	576.622	576.868	576.725	576.770	576.585	---	---	28
29	---	---	---	---	576.633	576.617	576.865	576.716	576.777	576.551	---	---	29
30	---	---	---	---	576.643	576.608	576.853	576.716	576.981	576.538A	---	---	30
31	---	---	---	---	576.640		576.864	576.716		576.515E	---	---	31
MEAN	---	---	---	---	---	576.617	576.700	576.801	576.832	576.562	---	---	MEAN
MAX	---	---	---	---	---	576.682	576.864	576.871	576.783	576.600	---	---	MAX
MIN	---	---	---	---	---	576.556	576.570	576.716	576.770	576.515	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MAXIMUM DAILY, 576.871 ON AUG 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 19 10 N
LONG 115 37 25 W

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

DRAINAGE AREA
13 600 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LESSER SLAVE LAKE AT SLAVE LAKE - STATION NO 07BJ004

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	576.289	576.249	576.282	576.282	576.269	576.589	576.529	576.894	576.670	576.575	576.489	576.471	1
2	576.287	576.251	576.285	576.280	576.269	576.663	576.586	576.855	576.721	576.528	576.529	576.467	2
3	576.291	576.254	576.184	576.282	576.280	576.620	576.567	576.851	576.726	576.572	576.526	576.458	3
4	576.280	576.251	576.286	576.280	576.281	576.596	576.622	576.873	576.669	576.561	576.568	576.462	4
5	576.275	576.253	576.212	576.210	576.288	576.594	576.588	576.887	576.672	576.581	576.551	576.455	5
6	576.283	576.267	576.193	576.215	576.403	576.612	576.541	576.8878	576.652	576.587	576.541	576.449	6
7	576.284	576.244	576.197	576.207	576.405	576.598	576.526	576.8668	576.632	576.544	576.518	576.458	7
8	576.289	576.236	576.199	576.210	576.408	576.620	576.516	576.8168	576.627	576.528	576.478	576.453	8
9	576.285	576.237	576.207	576.228	576.422	576.606	576.518	576.8668	576.627	576.585	576.385	576.436	9
10	576.277	576.236	576.203	576.233	576.407	576.597	576.517	576.8858	576.699	576.599	576.485	576.445	10
11	576.285	576.243	576.200	576.244	576.401	576.648	576.551	576.8858	576.651	576.552	576.514	576.439	11
12	576.278	576.243	576.196	576.244	576.394	576.620	576.576	576.8858	576.631	576.572	576.427	576.439	12
13	576.276	576.239	576.198	576.249	576.454	576.599	576.583	576.8668	576.617	576.564	576.511	576.450	13
14	576.278	576.248	576.205	576.248	576.419	576.599	576.582	576.864	576.584	576.563	576.468	576.437	14
15	576.271	576.238	576.207	576.257	576.447	576.588	576.580	576.891	576.590	576.561	576.484	576.436	15
16	576.289	576.238	576.203	576.260	576.462	576.574	576.585	576.770	576.603	576.551	576.472	576.436	16
17	576.286	576.231	576.202	576.260	576.491	576.585	576.642	576.767	576.587	576.564	576.470	576.433	17
18	576.261	576.230	576.201	576.295	576.494	576.575	576.719	576.754	576.577	576.567	576.465	576.429	18
19	576.272	576.222	576.212	576.288	576.501	576.582	576.717	576.766	576.572	576.539	576.463	576.422	19
20	576.281	576.220	576.205	576.295	576.512	576.711	576.744	576.734	576.562	576.538	576.469	576.421	20
21	576.279	576.216	576.220	576.300	576.563	576.667	576.750	576.731	576.562	576.550	576.473	576.419	21
22	576.280	576.216	576.215	576.311	576.572	576.648	576.7506	576.741	576.595	576.533	576.461	576.410	22
23	576.282	576.207	576.212	576.317	576.595	576.622	576.7706	576.743	576.600	576.505	576.460	576.419	23
24	576.276	576.202	576.200	576.318	576.533	576.640	576.7906	576.782	576.518	576.537	576.467	576.411	24
25	576.259	576.200	576.206	576.316	576.567	576.620	576.8106	576.725	576.520	576.532	576.467	576.410	25
26	576.280	576.206	576.205	576.328	576.576	576.638	576.8206	576.718	576.562	576.518	576.476	576.412	26
27	576.263	576.200	576.200	576.329	576.605	576.612	576.831	576.713	576.570	576.581	576.471	576.411	27
28	576.275	576.203	576.206	576.341	576.589	576.598	576.850	576.716	576.584	576.483	576.484	576.397	28
29	576.280		576.209	576.362	576.614	576.570	576.880	576.706	576.582	576.477	576.484	576.389	29
30	576.249		576.200	576.372	576.591	576.568	576.882	576.717	576.588	576.540	576.481	576.405	30
31	576.291		576.211		576.606		576.896	576.882		576.563		576.387	31
MEAN	576.273	576.231	576.205	576.288	576.481	576.619	576.670	576.786	576.605	576.554	576.484	576.431	MEAN
MAX	576.287	576.254	576.220	576.372	576.614	576.711	576.882	576.873	576.728	576.585	576.568	576.471	MAX
MIN	576.249	576.200	576.193	576.200	576.288	576.568	576.516	576.882	576.480	576.477	576.385	576.387	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MEAN, 576.489
MAXIMUM DAILY, 576.882 ON JUL 29
MINIMUM DAILY, 576.193 ON MAR 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 19 10 N
LONG 114 46 10 W

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

DRAINAGE AREA
13 800 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LESSER SLAVE RIVER AT HIGHWAY NO. 2A - STATION NO. 07BK006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	29.18	27.38	25.28	29.4	47.1	61.5	59.0	78.2	62.0	59.2	53.5	35.98	1
2	29.18	27.28	25.48	29.5	45.8	64.5	58.5	77.4	65.1	56.6	54.4	36.18	2
3	28.78	27.58	25.38	29.9	47.0	63.1	59.5	77.0	67.0	57.3	57.5	36.58	3
4	28.68	27.48	25.58	30.7	50.2	60.3	62.8	81.6	63.6	58.3	60.9	36.68	4
5	28.58	27.58	26.98	31.6	51.9	59.6	64.8	81.3	62.6	58.8	61.1	36.28	5
6	26.88	27.48	24.38	33.0	52.6	60.1	61.6	80.5	61.5	61.4	59.5	35.68	6
7	28.08	27.08	25.18	33.6	52.3	59.2	59.5	78.5	60.1	58.4	57.5	35.48	7
8	29.08	26.38	25.08	34.3	53.0	60.4	57.6	80.4	59.6	56.3	55.2	33.78	8
9	28.68	25.38	25.48	37.3	52.5	60.7	57.2	78.6	59.5	60.6	46.18	32.38	9
10	29.08	25.68	25.38	37.4	53.5	59.4	56.4	78.3	60.7	63.8	49.18	34.69	10
11	25.88	26.38	24.48	35.5	51.1	61.5	57.6	78.2	62.1	57.6	51.18	35.28	11
12	29.08	26.48	24.78	34.5	50.5	62.8	58.7	78.2	60.8	57.6	44.18	34.88	12
13	28.48	26.18	24.38	34.2	53.6	60.6	59.8	78.4	59.5	57.5	38.08	35.68	13
14	28.58	26.38	24.58	33.9	46.6	59.5	61.3	77.0	57.7	57.0	40.18	36.28	14
15	26.58	25.98	25.28	33.6	49.6	56.9	64.7	80.2	57.0	57.4	37.58	36.69	15
16	25.69	25.18	25.08	34.0	53.3	58.7	73.2	76.7	57.8	58.6	38.38	36.68	16
17	26.28	24.68	24.88	35.0	54.9	57.0	81.4	74.2	57.9	56.9	38.08	35.58	17
18	26.08	24.08	24.88	36.9	55.7	57.0	84.5	73.3	57.0	56.8	37.58	35.98	18
19	27.88	23.78	25.08	38.6	55.6	64.0	86.0	78.0	56.2	55.7	37.08	36.28	19
20	25.38	23.08	26.58	39.8	55.4	75.5	80.9	75.0	55.8	55.1	36.88	36.58	20
21	24.38	23.28	25.98	41.8	56.0	78.7	86.4	75.8	55.4	55.5	36.48	36.48	21
22	23.38	23.38	26.18	42.5	57.9	77.2	84.4	74.3	56.8	58.1	35.98	35.98	22
23	23.08	23.28	25.38	41.8	73.9	74.4	82.8	72.5	54.3	53.6	35.18	35.38	23
24	25.68	22.78	25.18	41.0	73.1	73.6	82.3	73.4	50.2	54.0	35.38	35.29	24
25	27.28	23.88	26.88	40.3	71.2	70.4	81.7	70.1	52.8	54.4	35.18	35.18	25
26	26.58	24.38	27.58	40.4	68.8	68.7	80.2	67.4	53.7	54.8	35.18	35.18	26
27	27.88	24.28	29.88	41.0	66.1	66.5	78.8	66.2	56.1	56.0	35.28	35.28	27
28	26.98	24.28	29.5	42.9	65.5	64.1	79.8	66.0	60.3	53.2	35.58	35.18	28
29	28.48		28.4	45.7	66.0	61.0	81.3	65.5	59.2	50.7	36.09	35.08	29
30	27.68		29.3	47.8	64.3	60.7	81.2	66.0	56.7	54.5	36.18	35.59	30
31	27.48		29.7		64.6		79.7	63.7		56.8		35.38	31
TOTAL	858.6	708.8	810.1	1 108.2	1 776.1	1 918.7	2 235.3	2 314.8	1 781.4	1 758.3	1 308.7	1 101.9	TOTAL
MEAN	27.7	25.3	26.1	36.8	57.3	63.8	72.1	74.7	58.7	56.7	43.6	35.5	MEAN
MAX	29.8	27.5	29.8	47.8	73.9	78.7	86.0	81.6	67.0	63.8	61.1	36.8	MAX
MIN	23.0	22.7	24.3	29.4	46.6	56.9	56.4	63.7	50.2	50.7	35.1	32.3	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 48.6
MAXIMUM DAILY, 86.0 ON JUL 19
MINIMUM DAILY, 22.78 ON FEB 24
MAXIMUM INSTANTANEOUS,
86.9 AT 19:30 MST ON JUL 18

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 17 39 N
LONG 114 36 26 W
DRAINAGE AREA, 14 400 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	74 200	JUL	193 000
FEB	61 200	AUG	200 000
MAR	70 000	SEP	152 000
APR	95 700	OCT	152 000
MAY	153 000	NOV	113 000
JUN	166 000	DEC	95 200

TOTAL DISCHARGE, 1 530 000 dam³

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL ABOVE OLDMAN FLUME - STATION NO 05AB019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0 E	18.1	18.8	21.3	16.1	12.0	2.44	0E	---	1
2	---	---	---	0 E	18.1	18.5	21.1	15.5	11.7	2.41	0E	---	2
3	---	---	---	0 A	18.3	18.7	21.1	15.1	10.8	2.51	0A	---	3
4	---	---	---	0	18.2	20.0	21.0	14.5	10.6	2.64	---	---	4
5	---	---	---	0	18.1	20.2	20.9	14.3	11.1	2.64	---	---	5
6	---	---	---	0	18.3	20.2	20.6	14.3	12.2	2.64	---	---	6
7	---	---	---	0	18.2	20.2	20.6	13.9	11.9	2.55	---	---	7
8	---	---	---	0 A	18.2	20.0	20.7	13.1	11.3	2.41	---	---	8
9	---	---	---	0 A	18.3	20.0	21.0	13.3	12.2	2.42	---	---	9
10	---	---	---	0	18.2	19.6	20.8	13.3	8.83	1.29	---	---	10
11	---	---	---	0	18.3	18.7	20.6	12.7	7.14	0	---	---	11
12	---	---	---	0	18.2	19.8	20.5	12.8	6.89	0	---	---	12
13	---	---	---	0	18.4	19.8	20.5	12.7	6.74	0	---	---	13
14	---	---	---	0	18.3	19.8	20.7	13.1	6.74	0	---	---	14
15	---	---	---	2.51	17.0	19.8	20.9	12.3	5.67	0	---	---	15
16	---	---	---	8.84	18.4	19.7	20.8	11.4	5.35	0	---	---	16
17	---	---	---	13.8	18.4	19.8	20.5	11.0	5.27	0	---	---	17
18	---	---	---	17.4	18.4	19.9	20.7	10.6	4.81	0	---	---	18
19	---	---	---	17.9	18.4	20.4	20.7	9.80	4.38	0	---	---	19
20	---	---	---	18.2	18.0	20.3	20.6	9.75	4.39	0	---	---	20
21	---	---	---	18.1	15.7	20.1	20.3	9.73	4.38	0	---	---	21
22	---	---	---	18.3	12.8	19.9	20.0	9.56	4.35	0	---	---	22
23	---	---	---	18.8	13.0	19.9	19.9	9.28	4.32	0	---	---	23
24	---	---	---	19.4	12.8	20.1	20.1	8.98	4.25	0.008	---	---	24
25	---	---	---	19.1	12.7	20.8	20.0	9.13	4.18	0.488	---	---	25
26	---	---	---	19.2	11.8	20.4	19.6	9.33	3.42	0.574	---	---	26
27	---	---	---	19.2	10.3	20.6	19.7	8.86	2.63	0.512	---	---	27
28	---	---	---	19.2	9.80	20.8	19.6	8.70	2.56	0	---	---	28
29	---		---	19.1	12.5	21.0	19.6	8.40	2.53	0 A	---	---	29
30	---		---	19.1	15.6	21.2	17.4	8.67	2.63	0 E	---	---	30
31	---		---		18.3		15.6	10.0		0 E			31
TOTAL	---	---	---	270.35	510.00	601.7	627.4	360.20	205.43	25.542	---	---	TOTAL
MEAN	---	---	---	9.01	16.5	20.1	20.2	11.6	6.85	0.824	---	---	MEAN
MAX	---	---	---	19.4	18.4	21.2	21.3	16.1	12.2	2.64	---	---	MAX
MIN	---	---	---	0	9.80	18.6	15.6	8.40	2.53	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.2
MAXIMUM DAILY, 21.3 ON JUL 1
MINIMUM DAILY, 0E ON APR 1

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 41 10 N
LONG 113 34 20 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	54 200
FEB	---	AUG	31 100
MAR	---	SEP	17 700
APR	23 400	OCT	2 210
MAY	44 100	NOV	---
JUN	52 000	DEC	---

TOTAL DISCHARGE, 225 000 dam³

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW KEHO OUTFLOW - STATION NO. 05AC026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	6.20E	22.1	5.44	5.06	1.41	---	---	1
2	---	---	---	---	0	8.00E	22.0	5.39	4.69	1.41	---	---	2
3	---	---	---	---	0	12.8 A	21.8	5.44	4.55	1.54	---	---	3
4	---	---	---	---	0	12.9	20.8	5.54	4.62	1.74	---	---	4
5	---	---	---	---	0	13.5	18.4	5.20	4.55	1.79	---	---	5
6	---	---	---	---	0	14.6	17.3	5.47	4.55	2.11	---	---	6
7	---	---	---	---	0	14.7	17.2	5.30	4.58	2.43	---	---	7
8	---	---	---	---	0	14.6	17.0	5.02	4.09	2.39	---	---	8
9	---	---	---	---	0	15.1	16.8	5.05	3.24	2.26	---	---	9
10	---	---	---	---	0	15.8	16.9	5.06	2.59	0.730	---	---	10
11	---	---	---	---	0	16.6	15.2	5.35	2.55	0	---	---	11
12	---	---	---	---	0	17.4	14.3	5.54	2.22	0	---	---	12
13	---	---	---	---	0	17.2	14.2	5.60	2.03	0	---	---	13
14	---	---	---	---	0	16.8	14.1	5.64	1.99	0	---	---	14
15	---	---	---	---	0	16.6	13.9	5.66	1.99	0	---	---	15
16	---	---	---	---	0.4594	16.5	13.7	5.70	1.99	0	---	---	16
17	---	---	---	---	0.814	16.2	11.4	5.67	1.82	0	---	---	17
18	---	---	---	---	0.804	16.0	9.58	5.86	1.74	0	---	---	18
19	---	---	---	---	0.781	16.4	8.64	6.22	1.56	0	---	---	19
20	---	---	---	---	1.02	16.7	8.21	6.37	1.45	0	---	---	20
21	---	---	---	---	1.35	16.7	9.09	5.86	1.44	0	---	---	21
22	---	---	---	---	1.46	16.8	8.83	5.92	1.39	0	---	---	22
23	---	---	---	---	1.48	16.0	8.88	5.90	1.39	0	---	---	23
24	---	---	---	---	1.49	16.9	8.18	5.82	1.40	0	---	---	24
25	---	---	---	---	1.92	20.2	7.04	5.34	1.42	0	---	---	25
26	---	---	---	---	1.88	21.5	5.88	5.58	1.40	0	---	---	26
27	---	---	---	---	1.94	22.4	5.15	5.40	1.39	0	---	---	27
28	---	---	---	---	2.20	22.5	5.32	5.50	1.40	0	---	---	28
29	---	---	---	---	3.19	22.4	5.24	5.03	1.41	0	---	---	29
30	---	---	---	---	4.67	22.4	5.55	5.06	1.41	0	---	---	30
31	---	---	---	---	5.79 A		5.54	5.05		0	---	---	31
TOTAL	---	---	---	---	30.656	496.30	387.93	187.80	75.91	17.810	---	---	TOTAL
MEAN	---	---	---	---	0.989	16.5	12.5	6.05	2.53	0.575	---	---	MEAN
MAX	---	---	---	---	5.79	22.5	22.1	6.86	5.06	2.43	---	---	MAX
MIN	---	---	---	---	0	6.20	5.15	5.03	1.39	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.50
MAXIMUM DAILY, 22.5 ON JUN 28
MINIMUM DAILY, 0 ON MAY 1

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 57 00 N
LONG 112 56 15 W

A - ANNUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	23 500
FEB	---	AUG	16 200
MAR	---	SEP	6 550
APR	---	OCT	1 540
MAY	2 650	NOV	---
JUN	42 900	DEC	---

TOTAL DISCHARGE, 103 000 dam³

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

LITTLE BERLAND RIVER AT HIGHWAY NO. 40 - STATION NO. 07AC008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1308	0.1308	0.2068	5.30	1.67	2.32	0.884	0.921	1.00 B	---	1
2	---	---	0.1208	0.1248	0.2148	4.75	1.57	2.18	0.814	0.866	0.9858	---	2
3	---	---	0.1108	0.1408	0.1568	3.75	1.57	2.20	0.846	0.897	0.897	---	3
4	---	---	0.1008	0.1708	0.3258	3.17	1.52	2.40	1.08	1.42	0.872	---	4
5	---	---	0.0908	0.1908	0.2448	2.84	1.58	2.23	1.10	1.92	0.834	---	5
6	---	---	0.0908	0.2158	0.2598	3.25	1.60	2.05	0.917	2.08	0.8878	---	6
7	---	---	0.1008	0.2408	0.6058	3.42	1.62	1.94	0.828	1.91	---	---	7
8	---	---	0.1108	0.2808	0.4808	3.05	1.68	1.87	0.784	1.87	---	---	8
9	---	---	0.1238	0.2308	0.4768	2.74	1.62	1.81	0.752	1.83	---	---	9
10	---	---	0.1358	0.2008	0.3498	2.46	1.65	1.76	0.758	2.03	---	---	10
11	---	---	0.1538	0.1758	0.3618	3.06	1.63	1.72	0.763	2.04	---	---	11
12	---	---	0.1508	0.1608	0.3218	2.64	1.67	1.68	0.760	1.97	---	---	12
13	---	---	0.1438	0.1208	0.3228	2.33	1.65	1.62	0.737	1.88	---	---	13
14	---	---	0.1378	0.1508	0.3658	2.20	1.65	1.58	0.738	1.80	---	---	14
15	---	---	0.1308	0.1808	0.390	2.84	1.95	1.48	0.783	1.72	---	---	15
16	---	---	0.1358	0.2108	0.488	2.76	5.31	1.44	0.789	1.66	---	---	16
17	---	---	0.1408	0.2308	0.777	2.46	9.03	1.38	0.753	1.80	---	---	17
18	---	---	0.1538	0.2608	1.12	2.34	14.0	1.33	0.745	1.53	---	---	18
19	---	---	0.1658	0.2908	1.44	2.25	11.1	1.32	0.730	1.45	---	---	19
20	---	---	0.1788	0.3108	1.73	2.09	8.01	1.26	0.721	1.44	---	---	20
21	---	---	0.1658	0.3408	1.52	1.96	6.29	1.22	0.714	1.39	---	---	21
22	---	---	0.1508	0.3658	1.23	1.88	5.54	1.18	0.710	1.34	---	---	22
23	---	---	0.1358	0.3898	1.28	1.82	6.52	1.14	0.712	1.29	---	---	23
24	---	---	0.1258	0.2458	1.36	1.78	5.49	1.12	0.703	1.24	---	---	24
25	---	---	0.1208	0.2118	1.70	1.88	4.75	1.09	0.837	1.21	---	---	25
26	---	0.1638	0.1808	0.3528	3.69	1.61	4.40	1.04	1.04	1.17	---	---	26
27	---	0.1608	0.1558	0.2808	5.84	1.57	3.99	0.984	0.922	1.19	---	---	27
28	---	0.1538	0.1608	0.2958	5.11	1.54	3.57	0.943	0.849	1.14	---	---	28
29	---		0.1458	0.3138	5.22	1.57	3.19	0.938	0.874	1.06	---	---	29
30	---		0.1408	0.2508	5.31	1.71	2.84	0.902	0.989	1.03	---	---	30
31	---		0.1358		5.43		2.55	0.857		1.20 B	---	---	31
TOTAL	---	---	4.172	7.024	48.131	77.06	121.21	46.985	24.592	45.156	---	---	TOTAL
MEAN	---	---	0.135	0.234	1.55	2.57	3.91	1.52	0.818	1.49	---	---	MEAN
MAX	---	---	0.178	0.389	5.84	5.30	14.0	2.40	1.10	2.08	---	---	MAX
MIN	---	---	0.090	0.120	0.156	1.54	1.52	0.857	0.703	0.868	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.53
MAXIMUM DAILY, 14.0 ON JUL 18
MINIMUM DAILY, 0.0908 ON MAR 5
MAXIMUM INSTANTANEOUS,
14.8 AT 08:14 MST ON JUL 18

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 40 43 N
LONG 118 14 19 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	10 900
FEB	---	AUG	4 050
MAR	350	SEP	2 120
APR	607	OCT	3 990
MAY	4 190	NOV	---
JUN	6 880	DEC	---

TOTAL DISCHARGE, 33 800 dam³

LITTLE BOW CANAL AT HIGH RIVER - STATION NO. 05BL015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.4680	0.6420	0.6930	0.562	0.969	1.61	2.61	1.89	0.806	0.584	0.546	0.3860	1
2	0.4670	0.6800	0.7530	0.548	0.991	1.83	2.62	1.88	0.794	0.577	0.530	0.3520	2
3	0.4660	0.7020	0.6730	0.540	0.997	1.84	2.62	1.92	0.789	0.572	0.524	0.3300	3
4	0.4660	0.6610	0.5000	0.535	1.04	1.85	2.63	1.93	0.787	0.566	0.539	0.2980	4
5	0.4670	0.6020	0.5040	0.533	1.10	1.91	2.80	1.91	0.808	0.567	0.536	0.2830	5
6	0.4900	0.5890	0.4950	0.525	1.11	1.97	2.76	1.93	0.807	0.584	0.550	0.2950	6
7	0.4910	0.6840	0.4930	0.525	1.10	1.95	2.73	1.88	0.802	0.585	0.5750	0.3150	7
8	0.4930	0.6430	0.4920	0.528	1.10	1.98	2.76	1.85	0.801	0.568	0.6390	0.3140	8
9	0.5120	0.6600	0.4430	0.537	1.10	2.13	2.79	1.87	0.803	0.574	0.6840	0.3130	9
10	0.5410	0.5320	0.5080	0.554	1.11	2.38	2.77	1.87	0.805	0.564	0.7500	0.3090	10
11	0.5700	0.4420	0.5120	0.561	1.13	2.37	2.74	1.86	0.810	0.553	0.7800	0.3040	11
12	0.5910	0.4580	0.5030	0.561	1.13	2.39	2.75	1.83	0.816	0.546	0.7700	0.3000	12
13	0.6200	0.5200	0.5250	0.557	1.41	2.38	2.76	1.88	0.819	0.538	0.7440	0.2958	13
14	0.6430	0.5820	0.4410	0.555	1.52	2.37	2.77	1.98	0.818	0.529	0.6840	0.2838	14
15	0.6820	0.5700	0.4910	0.565	1.50	2.44	2.82	2.04	0.817	0.524	0.5040	0.2760	15
16	0.6820	0.5850	0.5300	0.574	1.52	2.43	2.82	2.02	0.816	0.521	0.5030	0.2708	16
17	0.7150	0.7110	0.5570	0.584	1.52	2.38	2.85	2.03	0.819	0.524	0.5240	0.2770	17
18	0.7580	0.8600	0.5180	0.583	1.53	2.45	2.74	1.99	0.811	0.520	0.4770	0.2810	18
19	0.7900	0.8050	0.5030	0.600	1.56	2.45	2.72	1.97	0.815	0.520	0.4500	0.3040	19
20	0.8500	0.8400	0.5010	0.603	1.60	2.41	2.70	1.94	0.815	0.502	0.4630	0.3190	20
21	0.8030	0.8580	0.5320	0.628	1.50	2.40	2.66	1.94	0.814	0.499	0.4590	0.3318	21
22	0.8980	0.8300	0.5340	0.664	1.31	2.37	2.65	1.93	0.803	0.501	0.4410	0.3380	22
23	0.9050	0.8120	0.5480	0.654	1.27	2.38	2.70	1.90	0.772	0.501	0.4260	0.3400	23
24	0.9030	0.8650	0.556	0.631	1.32	2.40	2.74	1.97	0.764	0.499	0.4040	0.3380	24
25	0.9010	0.8200	0.559	0.619	1.26	2.42	2.67	1.95	0.782	0.500	0.3528	0.3328	25
26	0.9000	0.8450	0.580	0.620	1.26	2.58	2.67	1.92	0.761	0.497	0.3708	0.3250	26
27	0.8890	0.8400	0.561	0.620	1.24	2.80	2.70	1.90	0.725	0.497	0.4058	0.3150	27
28	0.8880	0.8430	0.563	0.761	1.28	2.84	2.53	0.811	0.703	0.496	0.3958	0.3080	28
29	0.8960		0.580	0.848	1.28	2.89	2.29	0.752	0.685	0.492	0.3758	0.2930	29
30	0.8080		0.577	0.872	1.53	2.83	2.26	0.774	0.646	0.535	0.3838	0.2620	30
31	0.8200		0.573		1.80		2.18	0.803		0.591		0.2570	31
TOTAL	18.212	16.859	16.778	13.257	40.107	69.62	83.61	47.500	23.624	16.562	16.844	9.545	TOTAL
MEAN	0.587	0.595	0.541	0.609	1.29	2.32	2.70	1.53	0.787	0.535	0.526	0.308	MEAN
MAX	0.790	0.711	0.753	0.872	1.80	2.89	2.85	2.04	0.819	0.591	0.784	0.388	MAX
MIN	0.486	0.420	0.441	0.525	0.969	1.81	2.18	0.752	0.646	0.492	0.352	0.257	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.03
MAXIMUM DAILY, 2.89 ON JUN 29
MINIMUM DAILY, 0.2570 ON DEC 31

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 34 59 N
LONG 113 52 18 W

B - ICE CONDITIONS

REGULATED SINCE 1910

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 570	JUL	7 220
FEB	1 440	AUG	4 100
MAR	1 450	SEP	2 040
APR	1 580	OCT	1 430
MAY	3 470	NOV	1 370
JUN	6 020	DEC	825

TOTAL DISCHARGE 32 500 dam³

LITTLE BOW RIVER AT CARMANGAY - STATION NO. 05AC003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2930	0.943	5.82	0.970E	0.692	0.792	6.11	2.27	1.75	2.02	0.568	0.5760	1
2	0.3800	0.969	4.18	0.960E	0.935	0.785	3.52	2.01	1.56	1.88	0.703	0.5210	2
3	0.4020	0.875	3.12	0.941A	0.861	0.7174	2.80	2.18	1.35	1.84	0.934	0.5230	3
4	0.4260	0.853	2.55	0.900E	1.24	0.6194	2.50	2.25	1.41	1.77	0.989	0.5940	4
5	0.4720	0.8208	2.10	0.772	1.71	0.920	2.67	1.82	1.40	1.53	1.34	0.5760	5
6	0.4120	0.6578	1.59	0.784	1.74	1.39	2.47	1.35	1.39	1.47	1.17	0.5760	6
7	0.5488	0.5598	1.28	0.787	1.74	1.78	2.13	1.24	1.41	1.40	0.734	0.6408	7
8	0.5808	0.5208	1.60	0.781	1.57	2.38	1.86	1.27	1.45	1.36	0.566	0.4988	8
9	0.6008	0.5108	1.92	0.707	1.41	2.61	2.00	1.44	1.47	1.32	0.762	0.5608	9
10	0.5788	0.5008	1.37	0.780	1.41	1.75	1.55	1.47	1.53	1.29	0.6808	0.5620	10
11	0.6058	0.5108	1.48	0.808	1.45	1.60	1.64	1.88	1.60	1.25	0.6008	0.5120	11
12	0.6088	0.5208	1.73	0.860	1.44	1.28	1.90	1.99	1.63	1.28	0.520	0.6208	12
13	0.6008	0.5458	1.84	0.850	1.45	1.34	1.38	1.76	1.65	1.35	0.438	0.5788	13
14	0.5948	0.5708	1.78	0.893	1.83	1.94	1.66	1.80	1.68	1.31	0.410	0.4758	14
15	0.5988	0.5918	1.68	0.870	2.17	1.81	1.22	1.89	1.66	1.30	0.515	0.4488	15
16	0.5948	0.5438	1.52	0.980	2.77	1.72	1.29	1.94	1.70	1.29	0.627	0.4468	16
17	0.6008	0.5098	1.45	0.941	2.82	1.89	1.51	1.97	1.76	1.25	0.642	0.5018	17
18	0.5358	0.4698	1.23	0.900	2.56	1.87	1.65	1.81	1.93	1.22	0.6008	0.5618	18
19	0.6538	0.6648	1.41	0.924	2.46	2.54	2.10	2.11	1.85	1.23	0.5618	0.6068	19
20	0.7288	0.7228	1.89	0.910	2.26	1.96	2.14	2.33	1.81	1.21	0.6028	0.5238	20
21	0.7318	0.8728	1.88 B	0.894	2.23	1.78	2.33	2.39	1.74	1.22	0.4958	0.4378	21
22	0.7928	1.04 B	1.44 B	0.902	2.30	1.81	1.87	1.87	1.68	1.20	0.5528	0.3678	22
23	0.8418	0.9748	1.45 B	0.876	2.43	1.85	1.70	1.38	1.68	1.18	0.6058	0.3278	23
24	0.8238	0.8588	1.09 B	0.850	2.30	1.38	2.16	1.18	1.68	1.20	0.6348	0.3158	24
25	0.8058	1.62 B	1.22 B	0.825	1.91	1.34	2.18	1.40	2.15	1.08	0.6388	0.2988	25
26	0.8748	15.6 B	1.21 B	0.833	1.89	1.23	2.41	1.45	2.85	1.08	0.6358	0.2868	26
27	0.8748	19.3 B	1.12	0.804	1.89	1.13	3.08	1.81	3.17	1.05	0.6828	0.2868	27
28	0.871	8.95 B	1.05	0.774	1.34	1.02	3.24	1.48	3.21	0.963	0.7098	0.2888	28
29	0.899		1.07	0.714	1.11	1.09	2.88	1.91	3.04	0.928	0.6628	0.2928	29
30	0.929		1.04	0.678	1.11 A	3.49	2.55	1.55	2.46	0.956	0.5568	0.2948	30
31	0.956		0.979A		0.950E		2.59	1.64		0.982		0.2938	31
TOTAL	20.356	62.314	54.749	25.758	53.598	47.614	70.54	54.02	55.66	40.389	20.141	14.581	TOTAL
MEAN	0.657	2.23	1.77	0.859	1.73	1.59	2.28	1.74	1.86	1.30	0.671	0.470	MEAN
MAX	0.956	19.3	5.82	0.893	2.82	3.49	6.11	2.39	3.21	2.02	1.34	0.640	MAX
MIN	0.380	0.469	0.979	0.678	0.692	0.819	1.22	1.18	1.35	0.928	0.410	0.288	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.42
MAXIMUM DAILY, 19.30 ON FEB 27
MINIMUM DAILY, 0.2868 ON DEC 26
MAXIMUM INSTANTANEOUS,
34.4 AT 20:15 MST ON FEB 26

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 07 51 N
LONG 113 07 02 W
DRAINAGE AREA, 2 780 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1910

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 780	JUL	5 080
FEB	5 380	AUG	4 870
MAR	4 730	SEP	4 810
APR	2 230	OCT	3 490
MAY	4 630	NOV	1 740
JUN	4 110	DEC	1 380

TOTAL DISCHARGE, 44 900 dam³

LITTLE BOW RIVER BELOW TRAVERS DAM - STATION NO. 05AC012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.617	0.716	0.829	0.703	0.672	0.842	0.684	0.640	---	1
2	---	---	---	0.621	0.719	0.824	0.697	0.678	0.844	0.723	0.643	---	2
3	---	---	---	0.620	0.705	0.847	0.701	0.714	0.853	0.691	0.664	---	3
4	---	---	---	0.626	0.818	0.860	0.727	0.747	0.878	0.696	0.668A	---	4
5	---	---	---	0.632	0.814	0.872	0.741	0.769	0.727	0.689	---	---	5
6	0.649B	---	---	0.624	0.788	1.09	0.716	0.766	0.696	0.689	---	---	6
7	---	---	---	0.637	0.795	0.784	0.767	0.735	0.689	0.705	---	---	7
8	---	---	---	0.631	0.784	0.784	0.791	0.684	0.677	0.704	---	---	8
9	---	---	---	0.635	0.781	0.812	0.809	0.690	0.628	0.712	---	---	9
10	---	---	---	0.844	0.783	0.812	0.832	0.688	0.618	0.684	---	---	10
11	---	---	---	0.650	0.832	0.814	0.804	0.692	0.808	0.676	---	---	11
12	---	---	---	0.637B	0.809	0.816	0.809	0.685	0.823	0.673	---	---	12
13	---	---	---	0.804	0.775	0.824	0.837	0.734	0.627	0.686	---	---	13
14	---	---	---	0.608	0.806	0.826	0.794	0.761	0.841	0.672	---	---	14
15	---	---	---	0.808	0.833	0.814	0.789	0.761	0.639	0.687	---	0.624B	15
16	---	---	---	0.614	0.797	0.819	0.812	0.757	0.647	0.658	---	---	16
17	---	0.647B	---	0.610	0.812	0.812	0.766	0.751	0.647	0.686	---	---	17
18	---	---	---	0.609	0.818	0.789	0.754	0.735	0.637	0.659	---	---	18
19	---	---	---	0.616	0.820	0.721	0.754	0.727	0.654	0.660	---	---	19
20	---	---	---	0.648	0.806	0.708	0.755	0.728	0.663	0.681	---	---	20
21	---	---	---	0.652	0.854	0.712	0.702	0.743	0.725	0.689	---	---	21
22	---	---	---	0.640	0.854	0.705	0.834	0.733	0.712	0.657	---	---	22
23	---	---	---	0.663	0.839	0.726	0.645	0.708	0.698	0.651	---	---	23
24	---	---	---	0.679	0.833	0.742	0.808	0.670	0.702	0.648	---	---	24
25	---	---	0.647A	0.687	0.822	0.726	0.854	0.675	1.06	0.636	0.653A	---	25
26	---	---	0.649										26
27	---	---	0.640	0.706	0.830	0.729	0.736	0.648	0.755	0.645	---	---	27
28	---	---	0.628	0.709	0.787	0.706	0.736	0.627	0.684	0.643	---	---	28
29	0.733B		0.618	0.712	0.775	0.693	0.678	0.615	0.684	0.636	---	---	29
30	---		0.610	0.712	0.778	0.802	0.676	0.804	0.690	0.635	---	---	30
31	---		0.618	0.711	0.789	0.778	0.664	0.661	0.692	0.643	---	---	31
			0.607		0.831		0.670	0.614		0.646			
TOTAL	---	---	---	18.383	24.921	23.787	22.740	21.773	20.436	20.770	---	---	TOTAL
MEAN	---	---	---	0.646	0.804	0.792	0.734	0.702	0.681	0.670	---	---	MEAN
MAX	---	---	---	0.712	0.906	1.09	0.837	0.769	1.06	0.723	---	---	MAX
MIN	---	---	---	0.604	0.705	0.693	0.606	0.604	0.606	0.635	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.719
MAXIMUM DAILY, 1.09 ON JUN 6
MINIMUM DAILY, 0.604 ON APR 13

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 08 04 N
LONG 112 40 14 W
DRAINAGE AREA, 6 330 km²
B - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 980
FEB	---	AUG	1 880
MAR	---	SEP	1 770
APR	1 670	OCT	1 790
MAY	2 150	NOV	---
JUN	2 050	DEC	---

TOTAL DISCHARGE, 13 300 dam³

LITTLE BOW RIVER NEAR THE MOUTH - STATION NO. 05AC023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.736	0.547	0.821	1.05	1.89	1.32	0.774	---	1
2	---	---	---	---	0.727	0.638	0.955	0.979	1.80	1.67	0.810	---	2
3	---	---	---	---	0.724	0.636	1.01	1.07	2.08	1.51	1.12	---	3
4	---	---	---	---	0.835	0.680	0.978	1.04	2.08	1.40	0.774A	---	4
5	---	---	---	---	1.10	0.887	0.802	1.22	2.39	1.34	---	---	5
6	---	---	---	---	0.888	0.952	0.785	1.81	1.86	1.37	---	---	6
7	---	---	---	---	0.781	1.30	0.940	1.42	1.52	1.26	---	---	7
8	---	---	---	---	0.765	1.55	0.840	1.33	1.49	1.25	---	---	8
9	---	---	---	---	0.757	1.47	0.868	1.19	1.38	1.29	---	---	9
10	---	---	---	---	0.749	1.30	0.856	1.12	1.42	1.85	---	---	10
11	---	---	---	---	0.748	1.05	1.04	1.21	1.18	1.31	---	---	11
12	---	---	---	---	0.749	1.06	0.954	1.15	1.08	0.959	---	---	12
13	---	---	---	---	0.738	0.978	0.893	0.979	1.11	0.831	---	---	13
14	---	---	---	---	0.845	0.838	0.912	1.03	1.28	0.785	---	---	14
15	---	---	---	---	1.06	0.885	0.886	1.22	1.34	0.787	---	---	15
16	---	---	---	---	0.915	0.857	0.975	1.23	1.15	0.786	---	---	16
17	---	---	---	---	0.774	0.844	0.813	1.19	1.25	0.751	---	---	17
18	---	---	---	---	0.742	0.855	0.982	1.16	1.19	0.731	---	---	18
19	---	---	---	---	0.716	0.821	0.986	1.36	1.33	0.757	---	---	19
20	---	---	---	---	0.692	0.908	0.855	1.25	1.29	0.766	---	---	20
21	---	---	---	---	0.785	0.802	0.812	1.33	1.25	0.771	---	---	21
22	---	---	---	---	0.811	0.932	1.02	1.30	1.20	0.787	---	---	22
23	---	---	---	---	0.856	1.10	1.35	1.29	1.20	0.774	---	---	23
24	---	---	---	0.768A	0.836	1.33	1.30	1.28	1.18	0.772	---	---	24
25	---	---	---	0.722	1.04	0.953	1.32	1.50	2.08	0.726	---	---	25
26	---	---	---	0.730	1.03	0.638	1.57	1.48	2.89	0.715	---	---	26
27	---	---	---	0.729	0.811	0.598	1.84	1.47	2.45	0.710	---	---	27
28	---	---	---	0.711	0.805	0.577	2.00	1.22	1.78	0.717	---	---	28
29	---	---	---	0.711	0.885	0.647	1.85	1.11	1.56	0.729	---	---	29
30	---	---	---	0.744	0.818	0.738	1.42	1.26	1.42	0.730	---	---	30
31	---	---	---		0.418		1.05	1.43		0.788		---	31
TOTAL	---	---	---	---	24.857	27.342	33.623	38.578	46.84	30.741	---	---	TOTAL
MEAN	---	---	---	---	0.805	0.911	1.08	1.24	1.55	0.992	---	---	MEAN
MAX	---	---	---	---	1.10	1.55	2.00	1.61	2.89	1.67	---	---	MAX
MIN	---	---	---	---	0.418	0.547	0.785	0.979	1.08	0.710	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.10
MAXIMUM DAILY, 2.89 ON SEP 26
MINIMUM DAILY, 0.418 ON MAY 31

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 54 00 N
LONG 112 30 20 W
DRAINAGE AREA, 6 880 km²
A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 910
FEB	---	AUG	3 330
MAR	---	SEP	4 020
APR	---	OCT	2 660
MAY	2 180	NOV	---
JUN	2 380	DEC	---

TOTAL DISCHARGE, 17 400 dam³

LITTLE ELBOW RIVER ABOVE NIMAHI CREEK - STATION NO 05BJ009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.907	13.7	4.99	3.38	2.63	1.95	1.61	---	1
2	---	---	---	---	0.886	12.8	4.98	3.19	2.49	1.91	1.87	---	2
3	---	---	---	---	0.920	10.5	5.34	3.11	2.38	1.88	1.71A	---	3
4	---	---	---	---	1.09	8.80	4.96	3.05	2.31	1.91	---	---	4
5	---	---	---	---	1.06	10.2	4.55	3.03	2.25	2.01	---	---	5
6	---	---	---	---	1.04	10.1	4.38	2.92	2.17	2.32	---	---	6
7	---	---	---	---	1.05	9.62	4.19	2.81	2.13	2.51	---	---	7
8	---	---	---	---	1.09	9.18	4.10	2.75	2.11	2.52	---	---	8
9	---	---	---	---	1.08	8.59	4.27	2.70	2.12	2.52	---	---	9
10	---	---	---	---	1.15	8.21	4.08	2.62	2.12	2.40	---	---	10
11	---	---	---	---	1.19	8.63	3.85	2.71	2.12	2.33	---	---	11
12	---	---	---	---	1.18	7.80	3.67	2.84	2.02	2.23	---	---	12
13	---	---	---	---	1.17	5.93	3.49	3.50	2.00	2.18	---	---	13
14	---	---	---	---	1.21	6.97	3.39	3.02	1.96	2.14	---	---	14
15	---	---	---	---	1.18	10.6	3.43	2.84	1.95	2.06	---	---	15
16	---	---	---	---	1.20	7.81	3.48	2.64	1.92	2.07	---	---	16
17	---	---	---	---	1.31	7.15	4.00	2.52	1.88	2.05	---	---	17
18	---	---	---	---	1.53	7.56	4.04	2.38	1.88	2.01	---	---	18
19	---	---	---	---	2.35	7.00	4.06	2.35	1.84	1.98	---	---	19
20	---	---	---	---	3.95	5.88	3.93	2.27	1.81	1.96	---	---	20
21	---	---	---	0.910A	5.27	5.09	3.78	2.22	1.79	1.93	---	---	21
22	---	---	---	1.02	4.62	4.78	3.66	2.17	1.76	1.89	---	---	22
23	---	---	---	0.996	3.83	4.91	3.62	2.16	1.79	1.87	---	---	23
24	---	---	---	0.956	4.07	5.31	3.46	2.12	1.80	1.85	---	---	24
25	---	---	---	0.946	7.19	5.12	3.36	2.10	1.91	1.83	---	---	25
26	---	---	---	0.928	12.6	4.90	3.30	2.06	1.93	1.80	---	---	26
27	---	---	---	0.910	17.9	4.67	3.46	2.01	1.92	1.87	---	---	27
28	---	---	---	0.914	19.3	4.62	3.41	1.97	1.89	1.81	---	---	28
29	---	---	---	0.900	19.8	7.09	3.86	2.03	1.89	1.75	---	---	29
30	---	---	---	0.894	17.5	5.80	3.77	2.48	1.94	1.76	---	---	30
31	---	---	---		15.4		3.56	3.04		1.67	---	---	31
TOTAL	---	---	---	---	154.045	230.32	122.42	81.00	60.71	62.97	---	---	TOTAL
MEAN	---	---	---	---	4.97	7.68	3.95	2.61	2.02	2.03	---	---	MEAN
MAX	---	---	---	---	19.8	13.7	5.34	3.50	2.63	2.52	---	---	MAX
MIN	---	---	---	---	0.898	4.62	3.30	1.97	1.76	1.67	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 3.87
MAXIMUM DAILY 19.8 ON MAY 29
MINIMUM DAILY 0.898 ON MAY 2
MAXIMUM INSTANTANEOUS
24.6 AT 21:59 MST ON MAY 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 47 42 N
LONG 114 55 00 W
DRAINAGE AREA 129 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	10 600
FEB	---	AUG	7 000
MAR	---	SEP	5 250
APR	---	OCT	5 440
MAY	13 300	NOV	---
JUN	19 900	DEC	---

TOTAL DISCHARGE 81 500 dam³

LITTLE PADDLE RIVER NEAR MAYERTHORPE - STATION NO 07BB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	4.00 B	3.538	2.97	0.696	0.597	0.471	0.001	0.371	0.268	---	1
2	---	---	4.02 B	2.488	2.51	0.662	0.589	0.433	0	0.506	0.285	---	2
3	---	---	4.03 B	2.72	2.35	0.618	0.568	0.331	0	0.442	0.365	---	3
4	---	---	1.87 B	3.78	2.53	0.593	0.589	0.285	0.007	0.444	0.301	---	4
5	---	---	1.53 B	4.93	2.06	0.551	0.601	0.271	0.006	0.862	0.331	---	5
6	---	---	0.8868	5.25	2.01	0.518	0.741	0.257	0.002	0.782	0.329A	---	6
7	---	---	1.26 B	4.52	1.87	0.520	0.659	0.226	0.001	0.595	---	---	7
8	---	---	1.02 B	4.21	1.77	0.501	0.635	0.186	0	0.485	---	---	8
9	---	---	0.3598	4.56	2.07	0.442	0.643	0.180	0	0.459	---	---	9
10	---	---	0.2348	3.19	3.08	0.412	0.814	0.126	0.002	0.391	---	---	10
11	---	---	0.1698	2.06	2.95	0.398	0.995	0.102	0.023	0.349	---	---	11
12	---	---	0.1248	1.97	2.28	0.392	0.946	0.101	0.144	0.333	---	---	12
13	---	---	0.1408	1.92	1.98	0.450	1.51	0.096	0.112	0.307	---	---	13
14	---	---	0.1748	1.53	2.16	0.416	2.57	0.078	0.076	0.299	---	---	14
15	---	---	0.2188	1.31	3.10	0.401	3.02	0.081	0.067	0.296	---	---	15
16	---	---	0.2628	1.59	2.94	1.24	2.70	0.046	0.051	0.284	---	---	16
17	---	---	0.3138	4.13	2.15	1.24	6.18	0.044	0.082	0.266	---	---	17
18	---	---	0.3718	11.4	1.81	1.05	28.1	0.038	0.065	0.260	---	---	18
19	---	---	0.4248	8.93	1.61	1.24	30.6	0.034	0.113	0.275	---	---	19
20	---	---	0.4868	5.77	1.48	5.93	9.53	0.026	0.088	0.255	---	---	20
21	---	---	0.6108	5.41	1.44	2.83	5.08	0.020	0.062	0.323	---	---	21
22	---	---	0.7428	4.32	3.31	1.88	3.55	0.015	0.054	0.448	---	---	22
23	---	---	0.9228	4.13	3.92	1.31	2.61	0.011	0.047	0.310	---	---	23
24	---	---	1.14 B	5.12	2.75	.20	2.13	0.008	0.047	0.280	---	---	24
25	---	---	1.26 B	5.03	2.17	1.25	1.84	0.005	0.057	0.267	---	---	25
26	---	---	3.12 B	4.55	1.71	1.07	1.32	0.003	0.113	0.268	---	---	26
27	---	---	6.08 B	3.91	1.50	0.861	1.15	0.005	0.782	0.274	---	---	27
28	---	---	9.25 B	3.66	1.28	0.812	0.989	0.018	0.970	0.276	---	---	28
29	---	---	10.1 B	3.33	1.12	0.701	0.928	0.013	0.626	0.285	---	---	29
30	---	---	8.62 B	3.49	0.977	0.852	0.857	0.005	0.403	0.290	---	---	30
31	---	---	4.45 B		0.878		0.565	0.003		0.289		---	31
TOTAL	---	---	86.186	123.76	86.785	30.744	113.186	3.480	4.043	11.582	---	---	TOTAL
MEAN	---	---	2.14	4.13	2.15	1.02	3.85	0.112	0.135	0.374	---	---	MEAN
MAX	---	---	10.1	11.4	3.92	5.93	30.6	0.471	0.970	0.862	---	---	MAX
MIN	---	---	0.124	1.31	0.878	0.392	0.565	0.003	0	0.255	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 1.71
MAXIMUM DAILY 30.6 ON JUL 19
MINIMUM DAILY 0 ON SEP 3
MAXIMUM INSTANTANEOUS
45.9 AT 22:57 MST ON JUL 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 57 51 N
LONG 115 10 29 W
DRAINAGE AREA 288 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	9 780
FEB	---	AUG	301
MAR	5 720	SEP	348
APR	10 700	OCT	1 000
MAY	5 770	NOV	---
JUN	2 660	DEC	---

TOTAL DISCHARGE 36 300 dam³

LITTLE RED DEER RIVER NEAR THE MOUTH - STATION NO. 05CB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2508	0.1238	5.47 B	3.708	2.33	9.02A	11.0	12.3	4.50	31.2	5.05	2.708	1
2	0.2508	0.1238	5.46 B	3.508	2.23	9.00A	11.0	11.6	4.17	33.6	5.86	2.708	2
3	0.2508	0.1238	5.07 B	3.408	2.11	8.61A	8.68	9.40	4.08	32.9	6.64	2.808	3
4	0.2408	0.1238	5.36 B	3.408	2.18	8.42A	7.10	8.89	4.36	28.5	7.18	2.508	4
5	0.2408	0.1238	4.85 B	3.408	2.87	8.07A	6.84	7.98	4.63	24.7	6.50	2.408	5
6	0.2308	0.1218	1.73 B	3.408	9.30	4.65A	6.18	7.82	4.88	22.0	6.31	2.308	6
7	0.2308	0.1218	0.8378	3.408	11.7	5.38A	5.11	8.12	5.05	20.0	5.59	2.308	7
8	0.2208	0.1218	0.7808	3.548	12.4	6.18A	4.72	7.50	4.80	18.3	4.808	2.208	8
9	0.2208	0.1218	1.58 B	3.81	10.8	7.18A	4.47	6.52	4.26	17.4	4.508	2.108	9
10	0.2108	0.1218	1.61 B	4.01	10.7	8.17A	4.67	6.08	3.82	16.6	4.308	2.008	10
11	0.2108	0.1188	2.66 B	3.85	11.6	7.94A	5.25	5.63	3.68	15.6	4.208	1.858	11
12	0.2008	0.1188	3.34 B	3.75	12.2	6.59A	5.45	5.49	3.49	14.6	4.108	1.798	12
13	0.2008	0.1188	2.80 B	3.61	11.8	5.70A	4.72	5.35	3.52	13.5	4.008	1.708	13
14	0.1908	0.1188	2.40 B	3.50	12.6	5.28A	4.31	5.16	3.80	12.7	4.008	1.618	14
15	0.1908	0.1188	2.16 B	3.32	13.0	4.95A	5.33	4.91	3.58	12.1	3.908	1.538	15
16	0.1808	0.1178	1.86 B	3.43	12.0	4.74A	5.27	4.69	3.50	11.5	3.808	1.488	16
17	0.1808	0.1178	1.51 B	3.76	17.0	5.25	13.8	4.51	3.67	11.0	3.808	1.488	17
18	0.1808	0.1178	1.47 B	3.54	27.5	4.66	68.5	4.32	7.18	10.4	3.708	1.478	18
19	0.1708	0.1358	1.18 B	3.50	48.7	4.36	95.4	3.94	11.7	10.0	3.708	1.478	19
20	0.1708	0.1498	1.21 B	3.13	55.6	3.86	61.5	3.59	11.9	9.54	3.608	1.488	20
21	0.1708	0.2248	1.13 B	3.15A	43.9	3.77	38.3	3.50	10.3	9.19	3.508	1.488	21
22	0.1608	0.3658	1.09 B	4.21A	34.3 A	3.36	27.5	3.45	9.17	9.10	3.508	1.458	22
23	0.1608	0.4208	1.23 B	4.63A	31.6 A	3.14	21.9	3.30	8.15	8.71	3.408	1.458	23
24	0.1508	0.4578	1.50 B	4.21	26.3 A	2.92	19.0	3.16	7.15	8.44	3.408	1.448	24
25	0.1408	1.11 B	1.46 B	3.54	21.1 A	2.73	17.4	3.38	7.89	8.15	3.308	1.448	25
26	0.1358	1.46 B	1.50 B	3.16	18.4 A	2.80	14.8	3.06	22.1	7.81	3.20	1.448	26
27	0.1308	11.8 B	1.80 B	2.97	14.0 A	2.72	16.5	3.74	54.5	7.80	3.108	1.438	27
28	0.1258	7.82 B	1.80 B	2.72	12.4 A	2.48	16.7	3.38	51.7	7.49	3.108	1.438	28
29	0.1258		2.00 B	2.66	10.4 A	2.56	15.9	3.08	39.7	7.24	3.008	1.438	29
30	0.1258		3.20 B	2.47	9.22A	3.32	15.5	2.98	33.6	7.01	2.808	1.428	30
31	0.1258		3.50 B		8.58A		14.9	3.00		6.78		1.428	31
TOTAL	6.755	25.928	76.147	104.87	517.22	149.98	558.71	169.83	344.50	453.84	128.85	55.45	TOTAL
MEAN	0.186	0.926	2.46	3.49	16.7	5.00	18.0	5.47	11.5	14.6	4.30	1.78	MEAN
MAX	0.250	11.8	5.47	4.63	55.6	9.02	95.4	12.3	54.5	33.6	7.18	2.70	MAX
MIN	0.125	0.117	0.760	2.47	2.11	2.48	4.31	2.98	3.49	6.76	2.80	1.42	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.10
MAXIMUM DAILY, 95.4 ON JUL 19
MINIMUM DAILY, 0.1178 ON FEB 16
MAXIMUM INSTANTANEOUS,
105 AT 11:47 MST ON JUL 19

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT. 52 01 40 N
LONG 114 08 20 W
DRAINAGE AREA, 2 550 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	497	JUL	48 300
FEB	2 240	AUG	14 700
MAR	6 580	SEP	29 800
APR	9 040	OCT	39 200
MAY	44 700	NOV	11 100
JUN	13 000	DEC	4 790

TOTAL DISCHARGE, 224 000 dam³

LITTLE RED DEER RIVER NEAR WATER VALLEY - STATION NO. 05CB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.24 B	0.9108	0.857	3.64	5.68	5.57	1.93	12.9	2.29	---	1
2	---	---	0.9738	0.7138	0.873	3.36	4.80	4.79	1.97	12.1	3.02	---	2
3	---	---	0.7228	0.5908	1.59	3.10	3.77	4.25	1.80	10.7	2.67	---	3
4	---	---	0.4088	0.4808	3.10	2.88	3.28	4.03	1.74	9.84	2.58	---	4
5	---	---	0.5188	0.4008	8.43	2.80	3.19	4.11	2.60	9.24	2.57A	---	5
6	---	---	0.5188	0.5308	7.23	2.97	3.01	4.85	2.80	8.70	---	---	6
7	---	---	0.8058	0.6408	7.02	3.84	2.71	3.87	2.12	8.25	---	---	7
8	---	---	1.07 B	0.6208	5.36	4.43	2.50	3.44	1.86	8.05	---	---	8
9	---	---	0.6478	1.13 B	5.73	5.94	2.86	3.24	1.78	7.55	---	---	9
10	---	---	0.6038	1.36 B	5.52	4.78	3.52	3.04	1.68	7.57	---	---	10
11	---	---	0.4638	1.11 B	6.47	3.78	3.08	2.88	1.93	6.84	---	---	11
12	---	---	0.4878	0.8308	5.72	3.40	2.62	3.24	2.04	6.07	---	---	12
13	---	---	0.4878	1.00 B	4.74	2.87	3.86	3.01	1.90	5.66	---	---	13
14	---	---	0.4758	0.8528	4.94	2.69	4.09	2.80	1.80	5.27	---	---	14
15	---	---	0.4258	0.7198	3.82	3.36	4.51	2.54	1.74	4.91	---	---	15
16	---	---	0.3748	0.973	4.02	3.30	8.80	2.34	1.80	4.82	---	---	16
17	---	---	0.3858	1.58	11.2	2.74	65.0	2.10	5.43	4.35	---	---	17
18	---	---	0.3508	2.31	24.8	2.53	59.9	1.91	5.99	4.08	---	---	18
19	---	---	0.3408	2.25	27.9	2.68	29.0	1.75	5.64	3.85	---	---	19
20	---	---	0.4208	3.53	18.2	2.36	22.4	1.68	4.73	3.74	---	---	20
21	---	---	0.6008	3.72	14.5	2.09	15.3	1.59	4.31	3.55	---	---	21
22	---	---	1.52 B	3.11	17.7	1.84	11.8	1.50	3.76	3.40	---	---	22
23	---	---	1.35 B	2.41	12.0	1.74	10.9	1.46	3.45	3.29	---	---	23
24	---	---	0.6778	1.71	8.23	1.69	10.6	1.86	3.24	3.30	---	---	24
25	---	---	0.3308	1.40	7.78	1.72	8.42	2.80	6.82	3.09	---	---	25
26	---	---	0.4318	1.26	6.88	1.80	11.0	2.27	17.2	3.01	---	---	26
27	---	---	0.6498	1.26	6.12	1.49	9.99	1.86	17.0	2.98	---	---	27
28	---	1.288	0.8618	1.27	5.50	1.50	8.65	1.82	15.1	2.86	---	---	28
29	---		0.7558	1.15	4.96	4.37	8.58	1.43	13.8	2.74	---	---	29
30	---		0.6988	1.01	4.43	9.38	8.03	2.30	12.3	2.67	---	---	30
31	---		0.7728		4.03		8.56	2.34		2.40	---	---	31
TOTAL	---	---	20.552	40.887	250.730	94.98	348.89	86.07	150.13	177.30	---	---	TOTAL
MEAN	---	---	0.663	1.36	8.09	3.17	11.3	2.78	5.00	5.72	---	---	MEAN
MAX	---	---	1.52	3.73	27.9	9.38	65.0	5.57	17.2	12.9	---	---	MAX
MIN	---	---	0.330	0.400	0.857	1.49	2.50	1.43	1.68	2.40	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.77
MAXIMUM DAILY, 65.0 ON JUL 17
MINIMUM DAILY, 0.330B ON MAR 25
MAXIMUM INSTANTANEOUS,
89.0 AT 22:51 MST ON JUL 17

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT. 51 30 41 N
LONG 114 40 19 W
DRAINAGE AREA, 448 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	30 100
FEB	---	AUG	7 440
MAR	1 780	SEP	13 000
APR	3 530	OCT	15 300
MAY	21 700	NOV	---
JUN	9 200	DEC	---

TOTAL DISCHARGE, 101 000 dam³

LITTLE SMOKY RIVER AT LITTLE SMOKY - STATION NO. 07GG002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2.508	7.908	48.0	34.8	12.8	26.7	4.79	43.7	---	---	1
2	---	---	2.708	6.808	42.7	30.7	10.9	25.5	4.86	46.4	---	---	2
3	---	---	2.958	6.708	40.5	27.3	9.42	24.0	5.31	46.6	---	---	3
4	---	---	3.208	7.808	48.2	24.6	8.36	21.4	5.77	51.6	---	---	4
5	---	---	3.408	10.5 B	66.7	21.3	10.9	19.7	6.08	53.4	---	---	5
6	---	---	3.388	12.0 B	71.4	18.9	16.5	18.2	7.17	54.2	---	---	6
7	---	---	3.288	13.2 B	69.5	18.5	19.9	17.3	7.41	55.3	---	---	7
8	---	---	3.108	16.3 B	67.9	17.9	24.6	14.2	7.87	54.0	---	---	8
9	---	---	2.958	19.4 B	66.0	17.1	25.7	13.1	7.80	48.6	---	---	9
10	---	---	2.858	23.4 B	64.5	18.5	29.9	12.1	8.11	46.0	---	---	10
11	---	---	2.758	26.1 B	63.2	19.1	31.0	11.7	8.36	40.2	---	---	11
12	---	---	2.688	28.8 B	61.5	20.1	34.6	10.9	8.53	35.3	---	---	12
13	---	---	2.658	33.0 B	60.0	21.0	37.8	9.90	8.82	27.9	---	---	13
14	---	---	2.658	42.0 B	47.6	22.3	40.0	9.82	9.50	27.8	---	---	14
15	---	---	2.688	42.3 B	45.8	26.5	44.5	9.20	9.46	27.8	---	---	15
16	---	---	2.758	33.6 B	54.2	31.6	56.3	8.22	9.00E	27.5	---	---	16
17	---	---	2.888	32.5 B	50.9	57.6	69.6	7.45	8.20E	24.4	---	---	17
18	---	---	3.008	34.0	44.8	54.0	110	7.06	7.30E	21.7	---	---	18
19	---	---	3.128	38.5	40.9	48.6	156	6.75	6.58E	19.2	---	---	19
20	---	2.438	3.308	51.6	42.7	40.0	141	6.30E	6.08E	16.5	---	---	20
21	---	2.418	3.808	59.9	42.1	34.4	114	6.00E	6.00E	15.4	---	---	21
22	---	2.398	3.958	62.5	53.5	28.8	97.5	5.80E	6.20E	15.1	---	---	22
23	---	2.368	4.358	54.3	58.2	24.1	80.4	5.65E	6.08	14.6	---	---	23
24	---	2.348	4.588	51.8	75.0	22.9	72.5	5.60E	15.6	14.2	---	---	24
25	---	2.328	4.258	48.8	72.7	21.8	60.1	5.55E	18.1	13.5	---	---	25
26	---	2.308	4.378	46.9	58.3	19.2	57.6	5.55E	19.6	13.0	---	---	26
27	---	2.328	4.838	42.7	56.1	17.8	43.9	5.50E	23.2	12.7	---	---	27
28	---	2.368	4.728	38.3	56.6	16.2	40.2	5.49	26.7	12.5	---	---	28
29	---		4.798	44.2	48.3	14.8	37.7	5.10	30.2	11.1	---	---	29
30	---		4.868	56.5	42.1	14.2	34.5	4.85	39.6	10.1	---	---	30
31	---		5.088		40.9		30.8	4.61		10.6		---	31
TOTAL	---	---	111.23	993.10	1 680.8	783.4	1 558.98	340.80	340.48	907.9	---	---	TOTAL
MEAN	---	---	3.59	33.1	54.2	26.1	50.3	11.0	11.3	29.3	---	---	MEAN
MAX	---	---	5.08	62.5	75.0	57.6	156	28.7	39.6	55.3	---	---	MAX
MIN	---	---	2.50	6.60	40.0	14.2	8.36	4.61	4.79	10.1	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 27.4
MAXIMUM DAILY, 156 ON JUL 19
MINIMUM DAILY, 2.508 ON MAR 1
MAXIMUM INSTANTANEOUS,
159 AT 09:30 MST ON JUL 19

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 44 24 N
LONG 117 10 46 W
DRAINAGE AREA, 3 010 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	135 000
FEB	---	AUG	29 400
MAR	8 610	SEP	29 400
APR	85 800	OCT	78 400
MAY	145 000	NOV	---
JUN	67 700	DEC	---

TOTAL DISCHARGE, 580 000 dam³

LITTLE SMOKY RIVER NEAR GUY - STATION NO. 07GH002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.488	7.098	10.4 B	23.78	205	107	32.6	82.5	10.9E	68.3A	19.1 B	11.8 B	1
2	8.448	6.988	11.6 B	20.68	195	86.4	29.6	73.6	10.9E	72.7A	14.9 B	12.7 B	2
3	8.358	7.118	10.7 B	21.08	180	86.5	27.3	65.5	11.0E	67.8A	14.6 B	12.6 B	3
4	8.328	7.418	11.5 B	21.18	175	77.0	25.7	58.0	11.0E	57.6	26.1 B	12.2 B	4
5	8.178	7.038	12.6 B	23.58	185	69.2	24.8A	51.7	11.2E	55.8A	34.5 B	11.8 B	5
6	8.328	7.308	12.3 B	26.98	204	63.1	24.0E	47.7	11.5E	111 A	31.7 B	11.2 B	6
7	8.488	7.378	12.6 B	42.88	203	58.1	26.0E	51.1	12.0E	139	30.8 B	10.6 B	7
8	8.498	7.378	10.5 B	88.18	200	54.1	30.0E	45.2	11.3E	125	10.5 B	10.4 B	8
9	8.718	7.198	9.228	106 B	191	52.3A	34.0E	41.4	10.8A	112	14.1 B	10.1 B	9
10	8.538	7.118	8.058	124 B	185	43.4E	33.0E	37.6	11.1	103	9.638	9.888	10
11	8.288	6.828	7.418	141	179	42.0E	32.0E	33.4	12.1	82.3	8.408	9.908	11
12	8.218	6.758	7.378	130	171	41.7E	35.0E	28.8	13.6E	81.7	8.978	9.808	12
13	8.008	6.638	7.308	110	163	43.0E	39.0E	26.7	14.3E	73.3	9.428	9.558	13
14	7.798	6.248	7.338	92.5	158	48.4E	42.0E	24.3A	14.8E	66.4	10.6 B	9.758	14
15	7.528	6.528	8.488	86.1	156	53.1E	80.0E	21.0E	17.0E	60.8	9.698	9.538	15
16	7.468	6.648	8.088	89.2	153	51.8A	150 E	19.3E	16.5E	57.0	9.818	9.188	16
17	7.448	6.578	8.408	116	145	52.8A	234 A	17.7E	16.0E	53.6	11.5 B	9.078	17
18	7.368	6.468	8.588	183	137	83.8	240	16.0A	14.5E	48.8	12.5 B	8.688	18
19	7.418	6.348	9.098	224	133	98.3	284	15.1A	13.5A	46.5	13.3 B	8.588	19
20	7.888	6.478	10.3 B	236	130	89.4	361	13.8A	12.7A	43.6	13.4 B	8.588	20
21	7.618	6.388	10.4 B	240	130	85.1	296	12.8A	12.1A	41.0	13.0 B	8.258	21
22	7.438	6.318	14.8 B	253	143	80.8A	236	12.2	12.3A	38.2	12.5 B	8.548	22
23	7.478	6.368	18.5 B	251	168	70.0E	190	11.5	12.2E	36.5	11.7 B	8.338	23
24	7.358	6.328	22.6 B	231	200	82.1E	176	11.7	12.2E	35.4	13.2 B	8.178	24
25	7.258	6.268	19.8 B	193	212	94.0E	219	11.2	12.1A	33.2	15.3 B	8.188	25
26	7.128	6.388	15.4 B	174	193	47.7E	189	11.0	11.8	31.6	14.4 B	8.058	26
27	7.188	7.458	16.5 B	163	170	43.4E	160	11.1	12.1	30.2	14.1 B	7.958	27
28	7.408	7.528	17.2 B	184	163	40.3A	133	10.8	13.6	29.6	13.6 B	8.008	28
29	7.418		25.6 B	157	140	38.3A	116	10.8	21.6	28.8	12.9 B	7.838	29
30	7.278		29.7 B	178	129	35.6	103	11.0	49.8	28.0	12.1 B	8.098	30
31	7.208		29.2 B		118		93.8	11.0E		26.08		8.318	31
TOTAL	242.34	190.38	412.70	3 889.5	5 204	1 868.8	3 705.9	896.7	426.2	1 995.8	445.22	295.58	TOTAL
MEAN	7.82	6.80	13.3	130	168	62.3	120	28.9	14.2	64.4	14.8	9.54	MEAN
MAX	8.71	7.52	29.7	253	212	107	361	82.5	49.8	139	34.5	12.7	MAX
MIN	7.12	6.24	7.30	29.6	118	35.6	24.0	10.9	10.8	26.0	8.40	7.83	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 53.6
MAXIMUM DAILY, 361 ON JUL 20
MINIMUM DAILY, 6.248 ON FEB 14
MAXIMUM INSTANTANEOUS,
386 AT 02:00 MST ON JUL 20

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 27 25 N
LONG 117 09 40 W
DRAINAGE AREA, 11 100 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	20 800	JUL	320 000
FEB	16 400	AUG	77 500
MAR	35 700	SEP	36 800
APR	336 000	OCT	172 000
MAY	450 000	NOV	38 500
JUN	181 000	DEC	25 500

TOTAL DISCHARGE, 1 690 000 dam³

LLOYD CREEK NEAR BLUFFTON - STATION NO. 05CC009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.333B	1.27	1.85	0.384	0.193	1.54	0.234	0.983	0.413	---	1
2	---	---	0.874B	0.987	1.52	0.308	0.199	1.12	0.236	1.15	0.372	---	2
3	---	---	1.90 B	0.746	1.23	0.288	0.210	0.861	0.244	1.37	0.347A	---	3
4	---	---	1.83 B	0.597	0.971	0.255	0.220	0.733	0.311	1.30	---	---	4
5	---	---	1.35 B	0.556	0.917	0.247	0.292	0.887	0.421	1.33	---	---	5
6	---	---	1.10 B	0.519	0.843	0.244	0.478	2.35	0.470	1.63	---	---	6
7	---	---	0.830B	0.488	0.938	0.248	0.574	4.73	0.472	1.48	---	---	7
8	---	---	0.550B	0.633	0.825	0.253	0.491	3.90	0.543	1.22	---	---	8
9	---	---	0.340B	0.628	0.882	0.237	0.465	2.28	0.539	1.04	---	---	9
10	---	---	0.291B	0.486	1.30	0.237	1.24	1.34	0.501	0.836	---	---	10
11	---	---	0.245B	0.420	1.26	0.237	1.21	0.897	0.482	0.864	---	---	11
12	---	---	0.239B	0.354	1.29	0.206	1.33	0.682	0.505	0.801	---	---	12
13	---	---	0.284B	0.332	1.21	0.181	1.42	0.522	0.529	0.726	---	---	13
14	---	---	0.336B	0.315	1.73	0.194	1.55	0.547	0.478	0.671	---	---	14
15	---	---	0.387B	0.300	2.86	0.255	1.36	0.468	0.409	0.636	---	---	15
16	---	---	0.521B	0.284	4.84	0.374	1.37	0.413	0.442	0.580	---	---	16
17	---	---	0.553B	0.307	8.74	0.385	3.60	0.354	0.479	0.540	---	---	17
18	---	---	0.526B	0.361	14.6	0.332	18.3	0.318	0.375	0.522	---	---	18
19	---	---	0.740B	0.470	16.0	0.345	33.6	0.298	0.302	0.523	---	---	19
20	---	---	1.19 B	0.489	11.9	0.575	25.2	0.281	0.274	0.535	---	---	20
21	---	---	1.70 B	0.569	8.00	0.618	14.7	0.279	0.310	0.514	---	---	21
22	---	---	1.98 B	0.541	5.45	0.413	8.25	0.254	0.323	0.479	---	---	22
23	---	---	1.71 B	0.536	5.12	0.308	4.70	0.237	0.334	0.439	---	---	23
24	---	---	1.20 B	0.616	4.07	0.259	4.25	0.219	0.375	0.506	---	---	24
25	---	---	0.863B	0.816	2.76	0.237	4.05	0.213	0.500	0.532	---	---	25
26	---	---	0.724B	0.560	2.02	0.228	3.22	0.215	0.734	0.521	---	---	26
27	---	---	0.857B	0.512	1.32	0.236	2.51	0.216	1.14	0.514	---	---	27
28	---	0.133B	0.867B	0.507	0.939	0.221	1.93	0.210	1.32	0.494	---	---	28
29	---	---	1.34 B	0.626	0.727	0.206	1.60	0.213	1.21	0.468	---	---	29
30	---	---	1.59 B	1.38	0.582	0.209	2.08	0.221	1.08	0.485	---	---	30
31	---	---	1.61		0.477		2.04	0.247		0.453		---	31
TOTAL	---	---	28.872	17.035	106.951	8.881	142.632	27.145	15.552	24.244	---	---	TOTAL
MEAN	---	---	0.931	0.568	3.45	0.289	4.60	0.876	0.518	0.782	---	---	MEAN
MAX	---	---	1.98	1.38	16.0	0.618	33.6	4.73	1.32	1.63	---	---	MAX
MIN	---	---	0.239	0.294	0.477	0.181	0.193	0.210	0.234	0.439	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.51
MAXIMUM DAILY, 33.6 ON JUL 19
MINIMUM DAILY, 0.181 ON JUN 13
MAXIMUM INSTANTANEOUS,
34.9 AT 05 45 MST ON JUL 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 44 20 N
LONG 114 08 50 W
DRAINAGE AREA, 241 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	12 300
FEB	---	AUG	2 350
MAR	2 490	SEP	1 340
APR	1 470	OCT	2 090
MAY	9 240	NOV	---
JUN	750	DEC	---

TOTAL DISCHARGE, 32 000 dam³

LOBSTICK RIVER NEAR STYAL - STATION NO 07BB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.28B	2.36B	8.21B	5.78B	9.56	6.89	2.57	22.2	11.7	10.8	7.98	5.44B	1
2	2.97B	2.70B	13.1 B	4.94B	9.29	6.84	2.42	21.9	11.7	11.2	7.71	4.94B	2
3	2.58B	1.72B	14.6 B	5.58B	8.98	6.57	2.57	21.0	12.1	11.3	7.58	4.69B	3
4	2.24B	1.82B	9.55B	5.12B	8.57	5.78	2.77	22.0	11.4	11.6	7.62	5.11B	4
5	3.50B	2.17B	5.24B	7.81B	8.05	5.28	3.33	21.7	11.1	11.8	7.62	5.33B	5
6	3.46B	2.31B	3.30B	5.37B	7.89	5.22	3.12	21.9	10.7	11.7	7.30	4.91B	6
7	3.37B	1.90B	2.00B	5.62	7.61	5.24	2.82	21.4	10.3	11.6	6.37B	5.22B	7
8	3.59B	1.70B	1.57B	5.54	7.50	4.87	2.36	21.2	10.1	11.0	3.79B	4.89B	8
9	3.53B	1.68B	2.51B	5.59	7.28	4.89	2.17	20.9	10.0	11.0	5.72B	4.58B	9
10	3.53B	1.60B	2.08B	5.80	7.64	4.69	2.30	20.0	9.98	11.5	7.65B	4.94B	10
11	3.62B	1.50B	1.78B	5.58	7.36	4.45	2.67	19.7	11.1	10.6	7.85B	4.64B	11
12	2.75B	1.43B	1.78B	5.42	7.03	5.20	3.57	19.5	10.9	10.2	8.45B	4.36B	12
13	2.76B	1.35B	1.60B	5.19	6.98	3.71	8.00	19.3	9.92	9.93	8.05B	4.35B	13
14	2.97B	1.30B	1.79B	5.17	9.56	3.40	7.80	18.8	9.51	9.70	7.82B	4.11B	14
15	2.88B	1.25B	2.45B	5.05	9.21	3.41	8.62	18.5	9.38	9.58	7.53B	4.14B	15
16	2.68B	1.20B	2.27B	5.34	7.87	3.50	10.8	18.2	9.48	9.45	7.45B	4.37B	16
17	2.58B	1.17B	2.97B	7.12	7.23	3.71	36.9	17.3	9.45	9.31	7.35B	4.08B	17
18	2.40B	1.15B	4.50B	12.1	7.31	3.74	85.3	17.0	9.24	9.11	7.37B	4.13B	18
19	2.55B	1.12B	6.26B	10.8	7.21	4.15	72.5	17.3	9.00	8.92	7.10B	3.85B	19
20	1.90B	1.12B	13.5 B	8.93	6.89	4.48	52.3	16.3	8.85	8.76	6.97B	3.68B	20
21	2.19B	1.46B	14.9 B	10.3	7.45	4.44	41.1	15.7	8.84	8.62	6.80B	4.18B	21
22	2.00B	1.64B	10.6 B	10.5	9.47	4.32	35.0	15.3	8.70	8.46	6.71B	3.76B	22
23	2.30B	1.88B	7.05B	12.4	9.24	3.82	31.8	14.9	8.46	8.41	6.37B	3.80B	23
24	3.19B	2.08B	4.63B	11.5	8.90	3.47	29.3	14.9	8.10	8.39	6.18B	3.57B	24
25	3.18B	2.36B	3.17B	10.7	8.98	3.30	28.8	14.3	8.43	8.33	6.00B	3.53B	25
26	3.05B	2.22B	5.77B	10.4	9.05	3.30	25.5	13.9	9.10	8.25	5.87B	3.43B	26
27	3.22B	2.28B	10.7 B	10.1	8.80	3.39	24.5	13.5	10.3	8.39	5.80B	3.60B	27
28	3.18B	3.17B	13.0 B	9.80	8.24	2.95	23.9	13.3	11.1	8.11	5.41B	3.45B	28
29	2.04B		11.4 B	9.63	8.10	2.69	23.7	12.9	10.6	7.93	5.17B	3.31B	29
30	1.38B		8.74B	9.85	7.77	2.61	23.7	12.8	10.5	8.18	5.51B	3.46B	30
31	3.41B		6.81B		7.47		23.0	12.0		8.34		2.58B	31
TOTAL	87.28	49.82	188.13	233.62	252.40	130.23	619.09	549.6	300.08	300.48	206.10	130.43	TOTAL
MEAN	2.81	1.77	6.39	7.78	8.14	4.34	20.0	17.7	10.0	8.69	6.87	4.21	MEAN
MAX	3.62	3.17	14.9	12.4	9.56	6.84	85.3	22.2	12.1	11.6	8.45	5.44	MAX
MIN	1.38	1.12	1.60	4.94	6.89	2.61	2.17	12.0	8.10	7.83	3.79	2.58	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.38
MAXIMUM DAILY, 85.3 ON JUL 18
MINIMUM DAILY, 1.12B ON FEB 19
MAXIMUM INSTANTANEOUS,
91.3 AT 18:25 MST ON JUL 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 36 45 N
LONG 115 08 20 W
DRAINAGE AREA, 1 570 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	7 540	JUL	53 500
FEB	4 280	AUG	47 500
MAR	17 100	SEP	25 900
APR	20 200	OCT	26 000
MAY	21 800	NOV	17 800
JUN	11 300	DEC	11 300

TOTAL DISCHARGE, 264 000 dam³

LODGE CREEK AT HIGHWAY NO. 41 - STATION NO. 11AB902

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.592	0.073	0.152	0.013	0.013	0	0.869	---	---	1
2	---	---	---	0.485	0.064	0.117	0.012	0.011	0	0.837	---	---	2
3	---	---	---	0.405	0.058	0.087	0.008	0.010	0	0.500	---	---	3
4	---	---	4.01 A	0.348	0.084	0.061	0.010	0.009	0	0.334	---	---	4
5	---	---	---	0.285	0.707	0.030	0.011	0.008	0	0.181	---	---	5
6	---	---	---	0.267	0.583	0.026	0.012	0.007	0	0.128	---	---	6
7	---	---	---	0.262	0.558	0.032	0.011	0.008	0	0.099	---	---	7
8	---	---	---	0.249	0.484	0.173	0.011	0.007	0	0.082	---	---	8
9	---	---	---	0.242	0.450	0.288	0.009	0.007	0	0.072	---	---	9
10	---	---	---	0.235	0.451	0.384	0.010	0.001	0.012	0.069	---	---	10
11	---	---	---	0.234	0.476	0.246	0.011	0.002	0.012	0.065	---	---	11
12	---	---	---	0.193	0.439	0.149	0.010	0.005	0.011	0.069	---	---	12
13	---	---	0.918A	0.143	0.419	0.056	0.011	0.001	0.011	0.077	---	---	13
14	---	---	0.571	0.123	0.372	0.030	0.011	0	0.011	0.089	---	---	14
15	---	---	0.897	0.094	0.428	0.024	0.010	0	0.012	0.062	---	---	15
16	---	---	0.657	0.088	1.99	0.030	0.012	0	0.012	0.058	---	---	16
17	---	---	0.541	0.112	2.22	0.056	0.014	0	0.014	0.075	---	---	17
18	---	---	0.381	0.115	2.57	0.065	0.013	0	0.014	0.053	---	---	18
19	---	---	0.636	0.103	4.09	0.034	0.011	0	0.114	0.052	---	---	19
20	---	---	2.00	0.095	5.03	0.050	0.010	0	0.151	0.053	---	---	20
21	---	---	3.40	0.086	3.09	0.023	0.010	0	0.120	0.053	---	---	21
22	---	---	2.72	0.078	3.00	0.018	0.010	0	0.058	0.052	---	---	22
23	---	---	1.18	0.082	3.06	0.015	0.010	0	0.027	0.052	---	---	23
24	---	---	0.837	0.086	1.78	0.013	0.010	0	0.019	0.051	---	---	24
25	---	---	0.662	0.087	0.997	0.012	0.009	0	33.0	0.050	---	---	25
26	---	---	0.565	0.103	0.828	0.011	0.008	0	15.3	0.051	---	---	26
27	---	---	0.624	0.102	0.650	0.010	0.010	0	3.83	0.052	---	---	27
28	---	---	0.951	0.101	0.477	0.010	0.010	0	2.10	0.051	---	---	28
29	---		1.02	0.094	0.333	0.011	0.008	0	1.53	0.051A	---	---	29
30	---		0.867	0.082	0.257	0.014	0.021	0	1.13	0.050E	---	---	30
31	---		0.705		0.203		0.016	0		0.050E		---	31
TOTAL	---	---	---	5.581	36.241	2.237	0.345	0.090	57.488	4.377	---	---	TOTAL
MEAN	---	---	---	0.186	1.17	0.075	0.011	0.003	1.92	0.141	---	---	MEAN
MAX	---	---	---	0.592	5.03	0.384	0.021	0.013	33.0	0.869	---	---	MAX
MIN	---	---	---	0.078	0.058	0.010	0.008	0	0	0.050	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.548
MAXIMUM DAILY, 33.0 ON SEP 25
MINIMUM DAILY, 0 ON AUG 14

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 25 10 N
LONG 110 15 20 W
DRAINAGE AREA, 300 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	29.8
FEB	---	AUG	7.78
MAR	---	SEP	4 870
APR	482	OCT	378
MAY	3 130	NOV	---
JUN	193	DEC	---

TOTAL DISCHARGE, 8 710 dam³

LOGAN RIVER NEAR THE MOUTH - STATION NO. 07CA012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.425B	0.574B	1.55	1.60	1.15	4.80	1.03	1.11	0.783B	---	1
2	---	---	0.424B	0.609B	1.55	1.48	1.09	4.47	1.01	1.08	0.806B	---	2
3	---	---	0.423B	1.39 B	1.60	1.39	1.07	3.95	1.00	1.06	0.785B	---	3
4	---	---	0.423B	1.78 B	1.57	1.31	1.15	3.56	0.987	1.06	0.782B	---	4
5	---	---	0.422B	1.14 B	1.60	1.26	1.45	3.25	0.993	1.06	0.777B	---	5
6	---	---	0.422B	2.22 B	1.65	1.22	1.80	3.03	0.989	1.06	---	---	6
7	---	---	0.422B	2.74 B	1.66	1.15	2.06	2.84	0.983	1.08	---	---	7
8	---	---	0.421B	2.75 B	1.67	1.10	2.09	2.65	0.951	1.06	---	---	8
9	---	---	0.421B	2.20 B	1.64	1.04	2.01	2.48	0.949	1.06	---	---	9
10	---	---	0.421B	1.39 B	1.62	0.988	1.94	2.43	0.944	1.02	---	---	10
11	---	---	0.421B	1.19 B	1.65	1.02	1.95	2.38	0.940	1.05	---	---	11
12	---	---	0.423B	2.42 B	1.66	1.12	1.89	2.25	0.904	1.01	---	---	12
13	---	---	0.423B	1.78 B	1.65	1.33	2.16	2.10	0.894	1.00	---	---	13
14	---	---	0.431B	1.02 B	1.61	1.52	3.16	1.98	0.889	1.00	---	---	14
15	---	---	0.429B	0.843B	1.57	1.49	4.53	1.85	0.883	1.00	---	---	15
16	---	---	0.428B	0.810B	1.48	1.37	6.04	1.71	0.877	1.00	---	---	16
17	---	---	0.431B	0.842B	1.41	1.25	7.39	1.66	0.870	1.00	---	---	17
18	---	---	0.438B	0.958B	1.37	1.19	8.08	1.58	0.856	1.01	---	---	18
19	---	---	0.440B	1.12 B	1.34	1.15	9.92	1.53	0.862	0.977	---	---	19
20	---	---	0.452B	1.22 B	1.35	1.15	23.4	1.47	0.883	0.978	---	---	20
21	---	---	0.452B	1.50 B	1.35	1.31	61.9	1.41	0.872	0.936	---	---	21
22	---	---	0.448B	2.00 B	1.45	1.59	58.5	1.36	0.868	0.959	---	---	22
23	---	---	0.447B	1.80 B	1.79	1.80	38.8	1.34	0.859	0.964	---	---	23
24	---	---	0.444B	1.71 B	2.46	1.74	24.3	1.29	0.868	0.968	---	---	24
25	---	---	0.443B	1.88 B	2.87	1.61	16.3	1.24	0.879	0.968	---	---	25
26	---	0.429B	0.452B	1.83 B	2.85	1.52	11.6	1.23	1.11	0.868	---	---	26
27	---	0.427B	0.471B	1.62 B	2.31	1.44	9.08	1.18	0.982	0.884	---	---	27
28	---	0.426B	0.480B	1.61	2.13	1.38	7.41	1.15	0.879	0.946	---	---	28
29	---		0.486B	1.52	1.99	1.28	8.07	1.13	1.07	0.800B	---	---	29
30	---		0.509B	1.45	1.82	1.20	5.24	1.11	1.11	0.804B	---	---	30
31	---		0.556B		1.70		4.94	1.08		0.785B		---	31
TOTAL	---	---	13.726	45.516	53.42	40.008	328.55	65.49	28.251	30.887	---	---	TOTAL
MEAN	---	---	0.443	1.52	1.72	1.33	10.6	2.11	0.942	0.996	---	---	MEAN
MAX	---	---	0.556	2.75	2.87	1.80	61.9	4.80	1.11	1.11	---	---	MAX
MIN	---	---	0.421	0.574	1.34	0.988	1.07	1.08	0.859	0.785	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.47
MAXIMUM DAILY, 61.9 ON JUL 21
MINIMUM DAILY, 0.421B ON MAR 6
MAXIMUM INSTANTANEOUS,
67.8 AT 18:48 MST ON JUL 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 10 44 N
LONG 111 43 42 W
DRAINAGE AREA, 425 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	28 400
FEB	---	AUG	5 850
MAR	1 190	SEP	2 440
APR	3 830	OCT	2 570
MAY	4 820	NOV	---
JUN	3 480	DEC	---

TOTAL DISCHARGE, 52 400 dam³

LOMOND LATERAL NEAR HEADGATE - STATION NO. 05AC017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	6.56	7.64	10.5	4.90	2.47	1.30	---	---	1
2	---	---	---	0	6.24	7.49	8.99	4.80	2.48	1.30	---	---	2
3	---	---	---	0	6.21	8.26	8.58	4.57	2.43	1.27	---	---	3
4	---	---	---	0	6.28	8.82	8.74	5.28	3.01	1.25	---	---	4
5	---	---	---	0	6.19	8.70	8.61	4.49	3.06	1.25	---	---	5
6	---	---	---	0	6.22	10.6	8.47	3.66	2.82	0.583A	---	---	6
7	---	---	---	0	6.27	11.6	8.42	3.58	2.80	0	---	---	7
8	---	---	---	0	6.32	11.7	8.26	3.84	2.63	0	---	---	8
9	---	---	---	0	6.32	11.5	9.17	3.96	2.60	0	---	---	9
10	---	---	---	0	6.30	11.3	9.50	4.10	2.31	0	---	---	10
11	---	---	---	0	6.30	11.3	9.47	3.59	2.01	0	---	---	11
12	---	---	---	0	6.26	12.1	9.39	3.49	1.91	0	---	---	12
13	---	---	---	0	6.33	12.3	9.33	3.12	1.92	0	---	---	13
14	---	---	---	0	6.22	12.2	9.42	2.89	1.92	0	---	---	14
15	---	---	---	0	6.37	12.1	9.40	2.53	1.88	0	---	---	15
16	---	---	---	0.981	6.44	12.9	9.49	2.37	1.81	0	---	---	16
17	---	---	---	2.14	6.44	13.2	9.25	2.48	1.82	0	---	---	17
18	---	---	---	2.90	6.44	12.8	9.35	2.20	1.81	0	---	---	18
19	---	---	---	2.93	6.46	12.5	9.38	2.22	1.82	0	---	---	19
20	---	---	---	2.93	6.46	12.6	9.46	1.79	1.82	0	---	---	20
21	---	---	---	2.93	6.43	12.5	8.81	1.57	1.82	0	---	---	21
22	---	---	---	2.88	6.45	12.2	8.46	1.78	1.80	0	---	---	22
23	---	---	---	3.57	6.45	12.1	8.03	1.97	1.78	0	---	---	23
24	---	---	0A	4.91	6.49	12.2	7.76	2.08	1.71	0	---	---	24
25	---	---	0	5.83	6.51	12.0	7.99	2.13	1.83	0	---	---	25
26	---	---	0	6.55	6.50	12.0	8.02	2.13	1.41	0	---	---	26
27	---	---	0	6.52	6.44	12.1	8.13	2.34	1.32	0	---	---	27
28	---	---	0	6.46	7.25	12.2	7.10	2.44	1.30	0	---	---	28
29	---		0	6.43	7.78	12.2	6.36	2.47	1.30	0	---	---	29
30	---		0	6.46	7.79	11.7	5.64	2.48	1.30	0 A	---	---	30
31	---		0		7.72		5.26	2.48		0 E		---	31
TOTAL	---	---	---	64.431	202.43	342.83	264.72	94.11	60.58	6.953	---	---	TOTAL
MEAN	---	---	---	2.15	6.53	11.4	8.54	3.04	2.02	0.224	---	---	MEAN
MAX	---	---	---	6.55	7.79	13.2	10.5	5.28	3.06	1.30	---	---	MAX
MIN	---	---	---	0	6.19	7.49	5.26	1.57	1.30	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.28
MAXIMUM DAILY, 13.2 ON JUN 17
MINIMUM DAILY, 0 ON OCT 7

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 12 50 N
LONG 112 39 40 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	22 900
FEB	---	AUG	8 130
MAR	---	SEP	5 230
APR	5 570	OCT	601
MAY	17 500	NOV	---
JUN	29 600	DEC	---

TOTAL DISCHARGE, 84 000 dam³

LOVETT RIVER NEAR THE MOUTH - STATION NO 07BA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.493	1.93	2.01	2.71	0.871	1.53	1.15	---	1
2	---	---	---	---	0.460	1.81	1.85	2.49	0.865	1.57	1.12	---	2
3	---	---	---	---	0.687	1.89	1.82	2.39	0.892	1.39	1.04	---	3
4	---	---	---	---	1.07	1.62	1.76	2.37	1.38	1.36	1.00	---	4
5	---	---	---	---	1.42	1.58	2.87	2.31	1.80	1.84	0.970A	---	5
6	---	---	---	---	1.82	1.55	3.32	2.16	1.27	2.29	---	---	6
7	---	---	---	---	1.76	1.56	3.16	2.00	1.10	2.54	---	---	7
8	---	---	---	---	1.63	1.52	3.28	1.89	1.00	2.38	---	---	8
9	---	---	---	---	1.56	1.39	3.74	1.78	0.930	2.42	---	---	9
10	---	---	---	---	1.55	1.31	3.97	1.72	0.930	2.13	---	---	10
11	---	---	---	---	1.56	1.44	3.16	1.63	1.22	2.00	---	---	11
12	---	---	---	---	1.42	1.45	2.91	1.58	1.29	1.88	---	---	12
13	---	---	---	---	1.32	1.31	2.68	1.53	1.21	1.81	---	---	13
14	---	---	---	---	1.25	1.23	2.54	1.46	1.20	1.79	---	---	14
15	---	---	---	---	1.25	1.54	2.35	1.42	1.06	1.67	---	---	15
16	---	---	---	---	1.44	1.57	14.1	1.37	1.11	1.56	---	---	16
17	---	---	---	---	1.95	1.28	28.9	1.33	1.14	1.47	---	---	17
18	---	---	---	---	2.51	1.21	40.8	1.29	1.05	1.46	---	---	18
19	---	---	---	---	2.28	1.37	20.1	1.35	1.00	1.39	---	---	19
20	---	---	---	---	2.19	1.33	12.8	1.30	0.935	1.33	---	---	20
21	---	---	---	---	2.20	1.17	9.13	1.25	0.817	1.30	---	---	21
22	---	---	---	---	2.32	1.08	8.83	1.21	0.775	1.27	---	---	22
23	---	---	---	---	2.79	1.02	8.65	1.17	0.742	1.28	---	---	23
24	---	---	---	---	2.71	1.03	8.09	1.06	0.702	1.20	---	---	24
25	---	---	---	---	2.64	1.01	4.64	1.00	0.972	1.21	---	---	25
26	---	---	---	---	2.53	0.948	4.96	0.954	1.88 A	1.13	---	---	26
27	---	---	---	---	2.48	0.952	3.95	0.968	1.79 A	1.14	---	---	27
28	---	---	---	---	2.45	1.01	3.47	0.948	1.50	1.06	---	---	28
29	---		---	0.442A	2.31	1.20	3.99	0.692	1.31	1.09	---	---	29
30	---		---	0.524	2.18	2.38	3.50	0.926	1.28	1.03	---	---	30
31	---		---		2.03		3.00	0.834		0.843		---	31
TOTAL	---	---	---	---	56.280	41.500	214.42	47.290	33.831	48.303	---	---	TOTAL
MEAN	---	---	---	---	1.81	1.38	6.92	1.53	1.13	1.56	---	---	MEAN
MAX	---	---	---	---	2.79	2.38	40.8	2.71	1.88	2.54	---	---	MAX
MIN	---	---	---	---	0.460	0.948	1.85	0.834	0.702	0.843	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.40
MAXIMUM DAILY, 40.8 ON JUL 18
MINIMUM DAILY, 0.460 ON MAY 2
MAXIMUM INSTANTANEOUS,
51.5 AT 02:28 MST ON JUL 18

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 59 50 N
LONG 116 39 20 W
DRAINAGE AREA, 101 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	18 500
FEB	---	AUG	4 090
MAR	---	SEP	2 920
APR	---	OCT	4 170
MAY	4 860	NOV	---
JUN	3 590	DEC	---

TOTAL DISCHARGE, 38 100 dam³

LOWER KANANASKIS LAKE - STATION NO. 05BF005

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1666.28	1665.73	1664.94	1661.83	1654.70	1655.40	1656.80	1661.10	1663.08	1664.82	1665.91	1662.78	1
2	1666.25	1665.72	1664.97	1661.58	1654.33	1655.52	1657.05	1661.22	1663.08	1664.88	1665.82	1662.71	2
3	1666.22	1665.72	1664.94	1661.38	1654.33	1655.46	1657.32	1661.31	1663.14	1664.97	1665.67	1662.59	3
4	1666.22	1665.73	1664.88	1661.01	1654.42	1655.34	1657.53	1661.40	1663.20	1665.00	1665.55	1662.47	4
5	1666.19	1665.73	1664.84	1661.04	1654.12	1655.34	1657.69	1661.50	1663.26	1665.00	1665.46	1662.38	5
6	1666.16	1665.74	1664.82	1661.04	1653.81	1655.52	1657.87	1661.59	1663.35	1665.12	1665.34	1662.14	6
7	1666.16	1665.70	1664.73	1660.79	1653.72	1655.58	1658.02	1661.65	1663.45	1665.21	1665.18	1662.01	7
8	1666.16	1665.70	1664.76	1660.49	1653.78	1655.61	1658.17	1661.74	1663.54	1665.31	1665.06	1661.82	8
9	1666.16	1665.73	1664.76	1660.22	1653.66	1655.64	1658.33	1661.83	1663.60	1665.37	1665.00	1661.83	9
10	1666.13	1665.78	1664.87	1659.84	1653.97	1655.61	1658.46	1661.92	1663.66	1665.49	1664.82	1661.71	10
11	1666.16	1665.67	1664.80	1659.64	1654.03	1655.61	1658.60	1662.01	1663.75	1665.52	1664.67	1661.56	11
12	1666.13	1665.61	1664.64	1659.67	1653.94	1655.61	1658.75	1662.07	1663.78	1665.55	1664.51	1661.46	12
13	1666.07	1665.58	1664.46	1659.67	1653.84	1655.64	1658.90	1662.17	1663.84	1665.55	1664.48	1661.25	13
14	1666.01	1665.62	1664.36	1659.39	1653.78	1655.67	1659.00	1662.23	1663.87	1665.67	1664.33	1661.13	14
15	1665.91	1665.62	1664.23	1659.12	1653.72	1656.73	1659.12	1662.29	1663.90	1665.79	1664.24	1661.04	15
16	1665.88	1665.52	1664.26	1658.81	1653.67	1656.70	1659.27	1662.36	1663.96	1665.85	1664.18	1660.95	16
17	1665.88	1665.49	1664.27	1658.48	1653.57	1655.77	1659.39	1662.44	1664.06	1665.95	1664.15	1660.92	17
18	1665.91	1665.43	1664.19	1658.17	1653.57	1655.88	1659.51	1662.50	1664.12	1665.98	1664.15	1660.82	18
19	1665.95	1665.34	1664.00	1658.20	1653.57	1656.01	1659.67	1662.53	1664.18	1666.01	1664.09	1660.73	19
20	1665.88	1665.27	1663.84	1658.23	1653.72	1656.10	1659.79	1662.59	1664.21	1665.10	1664.03	1660.55	20
21	1665.91	1665.19	1663.60	1657.93	1653.88	1656.10	1659.88	1662.65	1664.24	1666.16	1664.03	1660.94	21
22	1665.88	1665.12	1663.60	1657.69	1653.84	1656.10	1659.97	1662.71	1664.33	1665.16	1663.90	1660.76	22
23	1665.85	1665.12	1663.60	1657.33	1653.84	1656.10	1660.09	1662.74	1664.39	1665.07	1663.81	1660.64	23
24	1665.82	1665.06	1663.39	1657.01	1653.81	1656.22	1660.22	1662.81	1664.42	1665.98	1663.68	1660.55	24
25	1665.82	1665.09	1663.11	1656.68	1653.84	1656.37	1660.34	1662.89	1664.51	1666.01	1663.51	1660.25	25
26	1665.82	1665.03	1662.87	1656.50	1654.03	1656.46	1660.43	1662.90	1664.60	1666.01	1663.35	1660.02	26
27	1665.76	1665.00	1662.59	1656.31	1654.33	1656.47	1660.53	1662.93	1664.63	1665.01	1663.20	1659.79	27
28	1665.76	1664.94	1662.32	1655.98	1654.58	1656.50	1660.64	1662.95	1664.67	1665.06	1663.14	1659.56	28
29	1665.76		1662.35	1655.85	1654.82	1656.55	1660.76	1663.05	1664.70	1665.06	1662.96	1659.45	29
30	1665.76		1662.35	1655.12	1654.97	1656.65	1660.89	1663.05	1664.73	1665.07	1662.87	1659.38	30
31	1665.70		1662.10		1655.19		1661.01	1663.08		1665.96		1659.30	31
MEAN	1665.99	1665.46	1663.96	1658.82	1654.06	1655.88	1659.13	1662.27	1663.94	1665.57	1664.37	1661.07	MEAN
MAX	1666.28	1665.78	1664.97	1661.83	1655.19	1656.65	1661.01	1663.08	1664.73	1666.16	1665.91	1662.78	MAX
MIN	1665.70	1664.94	1662.10	1655.12	1653.67	1655.34	1656.80	1661.10	1663.08	1664.82	1662.87	1659.30	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MEAN, 1661.70
MAXIMUM DAILY, 1666.28 ON JAN 1
MINIMUM DAILY, 1653.67 ON MAY 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 41 20 N
LONG 115 07 30 W
DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

DRAINAGE AREA,
350 km²

WATER LEVELS ARE REFERRED TO TRANSALTA UTILITIES DATUM
APPLY 5.383 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

LOYALIST CREEK NEAR CONSORT - STATION NO. 05GA013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0308	0.027B	0.001	0 E	0.003	0.007	0	0.014	0.003	---	1
2	---	---	0.0702	0.023E	0.001	0 E	0.003	0.005	0	0.004	0.004	---	2
3	---	---	0.3008	0.023E	0.001	0 E	0.001	0.005	0	0.005	0.004	---	3
4	---	---	0.7052	0.009E	0.001	0 E	0	0.004	0	0.024	0.004	---	4
5	---	---	0.4008	0.005	0.001	0 E	0	0.005	0.001	0.032	0.004A	---	5
6	---	---	0.2908	0.003	0.001	0.004E	0	0.007	0.001	0.026	---	---	6
7	---	---	0.2009	0.064	0.002	0.004E	0.001	0.005	0.001	0.003	---	---	7
8	---	---	0.1458	0.050	0.001	0.005E	0.002	0.005	0.001	0.011	---	---	8
9	---	---	0.0948	0.035	0.001	0.004E	0.004	0.005	0.001	0.014	---	---	9
10	---	---	0.0569	0.070	0.002	0.004E	0.004	0.005	0.037	0.006	---	---	10
11	---	---	0.0518	0.084	0.002	0.001E	0.004	0.003	1.85	0.007	---	---	11
12	---	---	0.0548	0.023	0.002	0.001E	0.004	0.002	1.25	0.007	---	---	12
13	---	---	0.0578	0.018	0.001	0.001E	0.004	0.002	0.925	0.007	---	---	13
14	---	---	0.0958	0.012	0.001	0.001E	0.003	0.002	0.713	0.006	---	---	14
15	---	---	0.1078	0.004	0.005	0.006E	0.015	0.001	0.586	0.005	---	---	15
16	---	---	0.1258	0.001	0.005	0.002E	0.003	0	0.439	0.004	---	---	16
17	---	---	0.1048	0.001	0.004	0.003A	0.397	0	0.276	0.003	---	---	17
18	---	---	0.0878	0.001	0.002	0.005	0.119	0	0.184	0.003	---	---	18
19	---	---	0.0498	0.001	0.001	0.004	0.015	0	0.186	0.003	---	---	19
20	---	---	0.0488	0.001	0.001	0.007	0.006	0	0.124	0.003	---	---	20
21	---	---	0.0288	0.001	0.001	0.004	0.005	0	0.110	0.003	---	---	21
22	---	---	0.0098	0.001	0.005	0.003	0.004	0	0.104	0.002	---	---	22
23	---	---	0.0078	0.002	0.005	0.002	0.005	0	0.100	0.003	---	---	23
24	---	0B	0.0059	0.001	0.003	0.002	0.006	0	0.098	0.002	---	---	24
25	---	0B	0.0189	0.001	0.002	0.002	0.006	0	0.095	0.002	---	---	25
26	---	0B	0.0319	0.001	0.001	0.001	0.010	0	0.172	0.002	---	---	26
27	---	0B	0.0349	0.001	0.001A	0.001	0.488	0	0.108	0.002	---	---	27
28	---	0B	0.0108	0.001	0.001E	0	0.048	0	0.082	0.002	---	---	28
29	---	---	0.0758	0.001	0 E	0	0.087	0	0.078	0.002	---	---	29
30	---	---	0.0338	0.001	0 E	0.001	0.122	0	0.034	0.015	---	---	30
31	---	---	0.0388		0 E		0.023	0		0.003	---	---	31
TOTAL	---	---	3.410	0.538	0.065	0.151	1.383	0.064	7.886	0.240	---	---	TOTAL
MEAN	---	---	0.110	0.018	0.002	0.005	0.045	0.002	0.263	0.008	---	---	MEAN
MAX	---	---	0.705	0.084	0.005	0.004	0.488	0.007	1.85	0.032	---	---	MAX
MIN	---	---	0.005	0.001	0	0	0	0	0	0.002	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 0.060
MAXIMUM DAILY, 1.85 ON SEP 11
MINIMUM DAILY, 0E 0N MAY 29
MAXIMUM INSTANTANEOUS,
1.78 AT 12:18 MST ON SEP 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 00 04 N
LONG 110 45 54 W
DRAINAGE AREA, 280 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	119
FEB	---	AUG	5.53
MAR	295	SEP	680
APR	46.5	OCT	20.7
MAY	4.76	NOV	---
JUN	13.0	DEC	---

TOTAL DISCHARGE, 1 180 dam³

LUTOSK CREEK NEAR STEEN RIVER - STATION NO. 07EB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0128	3.780	1.74	3.62	1.39	0.376	0.215	---	---	1
2	---	---	0 B	0.0108	5.200	1.77	3.10	1.21	0.361	0.215	---	---	2
3	---	---	0 B	0.0158	5.100	1.76	2.82	1.08	0.338	0.224	---	---	3
4	---	---	0 B	0.0208	4.730	1.72	2.66	1.01	0.323	0.213	---	---	4
5	---	---	0 B	0.0248	5.360	1.63	2.40	0.902	0.295	0.208	---	---	5
6	---	---	0 B	0.0288	5.330	1.52	2.16	0.884	0.272	0.210	---	---	6
7	---	---	0 B	0.0268	5.02	1.48	1.82	0.771	0.248	0.221	---	---	7
8	---	---	0 B	0.0408	5.09	1.41	1.73	0.714	0.230	0.218	---	---	8
9	---	---	0 B	0.0468	4.70	1.65	1.65	0.618	0.214	0.210	---	---	9
10	---	---	0 B	0.0448	4.34	1.46	1.46	0.603	0.199	0.262	---	---	10
11	---	---	0 B	0.0408	4.04	1.38	1.41	0.555	0.189	0.289	---	---	11
12	---	---	0 B	0.0368	3.86	1.62	1.37	0.502	0.191	0.276	---	---	12
13	---	---	0 B	0.0328	3.74	1.60	1.63	0.456	0.181	0.271	---	---	13
14	---	---	0 B	0.0308	3.58	1.47	1.64	0.452	0.168	0.259	---	---	14
15	---	---	0 B	0.0280	3.17	1.61	1.65	0.444	0.165	0.248	---	---	15
16	---	---	0 B	0.0280	2.96	1.67	1.57	0.436	0.161	0.244	---	---	16
17	---	---	0 B	0.0280	2.84	1.68	1.45	0.433	0.158	0.248	---	---	17
18	---	00	0 B	0.0340	2.66	2.64	1.35	0.412	0.123	0.237	---	---	18
19	---	00	0 B	0.0408	2.38	2.30	1.25	0.414	0.117	0.250	---	---	19
20	---	00	0 B	0.0488	2.16	2.16	1.15	0.425	0.116	0.252	---	---	20
21	---	00	0 B	0.1408	2.02	2.20	1.01	0.423	0.110	0.232	---	---	21
22	---	00	0 B	0.2658	2.13	2.88	1.14	0.384	0.109	0.230	---	---	22
23	---	00	0 B	0.4508	2.16	2.76	1.28	0.352	0.108	0.223	---	---	23
24	---	00	0 B	0.6348	2.11	2.19	1.25	0.419	0.114	0.243	---	---	24
25	---	00	0 B	0.8688	2.13	2.72	1.24	0.434	0.108	0.288	---	---	25
26	---	00	0 B	1.78 B	2.79	3.86	1.20	0.410	0.162	0.285	---	---	26
27	---	00	0 B	2.17 B	2.93	3.61	1.18	0.389	0.174	0.276	---	---	27
28	---	00	0 B	2.63 B	2.67	3.13	1.14	0.392	0.168	0.2868	---	---	28
29	---		0.0028	3.04 B	2.18	4.93	1.19	0.373	0.204	0.2978	---	---	29
30	---		0.0068	2.92 B	2.06	5.01	1.34	0.344	0.202	0.2348	---	---	30
31	---		0.0108		1.84		1.34	0.388		0.2208		---	31
TOTAL	---	---	0.018	18.832	105.44	94.33	51.04	17.888	5.830	7.816	---	---	TOTAL
MEAN	---	---	0.001	0.621	3.40	3.14	1.65	0.580	0.194	0.248	---	---	MEAN
MAX	---	---	0.010	2.04	5.42	7.17	3.62	1.39	0.376	0.298	---	---	MAX
MIN	---	---	0	0.010	1.84	1.36	1.01	0.344	0.108	0.206	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.22
MAXIMUM DAILY, 7.17 ON JUN 26
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
7.39 AT 12:00 MST ON JUN 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 24 18 N
LONG 117 17 00 W
DRAINAGE AREA, 282 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 410
FEB	---	AUG	1 550
MAR	1 66	SEP	564
APR	1 350	OCT	558
MAY	9 110	NOV	---
JUN	8 140	DEC	---

TOTAL DISCHARGE, 35 700 dam³

MACKAY CREEK AT WALSH - STATION NO. 05AH002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	1.08	0.162	0.007	0.216	0	0	0	0.072	0.083	---	1
2	---	0 B	0.917	0.141	0.005	0.133	0	0	0	0.068	0.084	---	2
3	---	0 B	0.388	0.111	0.000	0.094	0	0	0	0.036	0.144	---	3
4	---	0 B	0.384	0.101	0.011	0.072	0	0	0	0.029	0.260	---	4
5	---	0 B	0.380	0.090	0.020	0.065	0	0	0	0.798	0.369	---	5
6	---	0 B	0.427	0.083	0.096	0.060	0	0	0	0.713	1.09	---	6
7	---	0 B	0.378	0.068	0.206	0.058	0	0	0	0.631	0.9068	---	7
8	---	0 B	0.381	0.038	0.191	0.070	0	0	0	0.804	0.9638	---	8
9	---	0 B	0.337	0.027	0.035	0.215	0	0	0	0.610	0.4728	---	9
10	---	0 B	0.398	0.031	0.050	0.274	0	0	0	0.795	0.4558	---	10
11	---	0 B	0.296	0.032	0.078	0.032	0	0	0	0.583	0.4628	---	11
12	---	0 B	0.227	0.029	0.085	0.118	0	0	0	0.452	0.4588	---	12
13	---	0 B	0.157	0.029	0.036	0.082	0	0	0	0.376	0.2308	---	13
14	0.2388	0 B	0.148	0.030	0.148	0.086	0	0	0	0.304	0.0818	---	14
15	---	0 B	0.195	0.034	0.198	0.082	0	0	0	0.350	0.0848	---	15
16	0.0078	0 B	0.188	0.033	0.431	0.060	0	0	0	0.575	0.0783	---	16
17	---	0 B	0.207	0.034	0.533	0.065	0	0	0	0.274	0.0768	---	17
18	---	0 B	0.161	0.028	1.16	0.036	0	0	0	0.198	0.0748	---	18
19	---	0 B	0.150	0.023	2.19	0.028	0	0	0	0.136	0.0958	---	19
20	0.0028	0 B	0.127	0.035	2.44	0.025	0	0	0	0.114	0.1208	---	20
21	---	0 B	0.135	0.025	1.91	0.015	0	0	0	0.112	0.8828	---	21
22	---	0 B	0.100	0.022	1.87	0.009	0	0	0	0.095	1.04 B	---	22
23	---	0 B	0.139	0.023	3.98	0.005	0	0	0	0.084	0.9628	---	23
24	---	0 B	0.207	0.022	3.27	0.002	0	0	0	0.080	1.03 B	---	24
25	---	2.86 B	0.300	0.025	2.00	0	0	0	4.20	0.074	1.44 B	---	25
26	---	8.21 B	0.186	0.024	1.38	0	0	0	33.2	0.073	1.60 B	---	26
27	---	3.17 B	0.144	0.024	0.977	0	0	0	13.1	0.084	2.10 B	---	27
28	0.0028	1.37 B	0.110	0.022	0.770	0	0	0	3.99	0.072	1.90 B	---	28
29	0.0018		0.104	0.015	0.588	0	0	0	1.88	0.080	1.70 B	---	29
30	0 B		0.172	0.010	0.436	0	0	0	1.36	0.072	1.80 B	---	30
31	0 B		0.186		0.321		0	0		0.095		---	31
TOTAL	---	13.91	6.966	1.327	34.823	1.947	0	0	97.99	12.084	30.494	---	TOTAL
MEAN	---	0.450	0.270	0.044	0.801	0.062	0	0	1.93	0.390	0.883	---	MEAN
MAX	---	8.21	1.08	0.162	3.98	0.274	0	0	33.2	0.972	3.10	---	MAX
MIN	---	0	0.100	0.010	0.005	0	0	0	0	0.060	0.076	---	MIN

SUMMARY FOR THE MONTHS FEB TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.435
MAXIMUM DAILY, 33.2 ON SEP 25
MINIMUM DAILY, 00 ON FEB 1
MAXIMUM INSTANTANEOUS,
40.0 AT 06:03 MST ON SEP 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 56 30 N
LONG 110 02 40 W
DRAINAGE AREA, 438 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	1 080	AUG	0
MAR	740	SEP	4 980
APR	118	OCT	1 040
MAY	2 180	NOV	1 770
JUN	180	DEC	---

TOTAL DISCHARGE, 10 300 dam³

MACKAY CREEK NEAR CRADOCK ESP - STATION NO. 05AH042

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0.0140	0.334	0.051	0.004	0.140	0.028	0	0	0.101	0.060	---	1
2	---	0.0430	0.253	0.045	0.004	0.125	0.009	0	0	0.144	0.069	---	2
3	---	0.0290	0.185	0.033	0.002	0.115	0	0	0	0.130	0.130	---	3
4	---	0.0250	0.184	0.037	0.014	0.100	0	0	0	0.102	0.127	---	4
5	---	0.0190	0.127	0.024	0.317	0.109	0	0	0	0.084	0.120	---	5
6	---	0.0110	0.113	0.024	0.345	0.144	0.004	0	0	0.088	0.1206	---	6
7	---	0.0100	0.096	0.023	0.243	0.241	0.007	0	0	0.097	---	---	7
8	---	0.0069	0.177	0.018	0.170	0.299	0.055	0	0	0.101	---	---	8
9	---	0.0045	0.142	0.016	0.189	0.340	0.001	0	0	0.102	---	---	9
10	---	0.0018	0.122	0.012	0.299	0.227	0	0	0	0.128	---	---	10
11	---	0.0010	0.093	0.009	0.320	0.171	0	0	0	0.117	---	---	11
12	---	0.0019	0.091	0.007	0.240	0.128	0.009	0	0	0.104	---	---	12
13	---	0 0	0.104	0.006	0.158	0.104	0.020	0	0	0.092	---	---	13
14	0.1169	0.0018	0.109	0.011	0.155	0.076	0.027	0	0	0.095	---	---	14
15	---	0.0018	0.115	0.017	0.210	0.154	0.014	0	0.001	0.080	---	---	15
16	0.0420	0.0018	0.099	0.029	0.328	0.134	0.042	0	0	0.077	---	---	16
17	---	0.0018	0.085	0.036	0.856	0.111	0.118	0	0.013	0.072	---	---	17
18	---	0.0020	0.065	0.022	1.43	0.097	0.084	0	0.015	0.070	---	---	18
19	---	0.0020	0.070	0.016	1.53	0.087	0.052	0	0.024	0.068	---	---	19
20	0.2860	0.0020	0.067	0.013	1.05	0.072	0.045	0	0.036	0.067	---	---	20
21	0.1660	0.0020	0.121	0.013	1.14	0.062	0.027	0	0.032	0.065	---	---	21
22	---	0.0020	0.121	0.013	1.85	0.030	0.011	0	0.009	0.064	---	---	22
23	---	0.0010	0.070	0.016	1.52	0.010	0.009	0	0.002	0.063	---	---	23
24	---	1.11 0	0.071	0.031	1.07	0.002	0.010	0	0.003	0.061	---	---	24
25	---	2.17 0	0.072	0.026	0.723	0.001	0.005	0	2.27	0.059	---	---	25
26	---	0.965	0.070	0.021	0.528	0	0.000	0	1.72	0.058	---	---	26
27	---	0.548	0.087	0.017	0.450	0.002	0.017	0	0.743	0.059	---	---	27
28	---	0.334	0.102	0.011	0.318	0	0.011	0	0.388	0.054	---	---	28
29	0.0558		0.084	0.006	0.230	0.023	0.005	0	0.196	0.059	---	---	29
30	0.0138		0.067	0.004	0.206	0.026	0.002	0	0.127	0.062	---	---	30
31	0.0068		0.068		0.175		0	0		0.061	---	---	31
TOTAL	---	5.336	3.596	0.619	16.128	3.153	0.586	0	5.559	2.577	---	---	TOTAL
MEAN	---	0.191	0.116	0.021	0.520	0.105	0.019	0	0.185	0.083	---	---	MEAN
MAX	---	2.17	0.334	0.061	1.85	0.340	0.118	0	2.27	0.144	---	---	MAX
MIN	---	0	0.065	0.004	0.002	0	0	0	0	0.054	---	---	MIN

SUMMARY FOR THE MONTHS FEB TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.138
MAXIMUM DAILY, 2.27 ON SEP 25
MINIMUM DAILY, 00 ON FEB 13
MAXIMUM INSTANTANEOUS,
3.30 AT 10 30 MST ON SEP 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 04 20 N
LONG 110 02 32 W
DRAINAGE AREA, 75.1 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	50.6
FEB	481	AUG	0
MAR	311	SEP	480
APR	53.5	OCT	223
MAY	1 390	NOV	---
JUN	273	DEC	---

TOTAL DISCHARGE, 3 240 dam³

MACKAY RIVER ABOVE DUNAIRN RIVER - STATION NO. 07DB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0118	0.7320	0.933	4.70	1.36	1.07	0.254	0.169	0.2708	---	1
2	---	---	0.0120	0.5498	1.07	4.30	1.22	1.83	0.269	0.170	0.2698	---	2
3	---	---	0.0130	0.4168	1.17	3.95	1.17	2.12	0.252	0.173	---	---	3
4	---	---	0.0120	0.5518	1.48	3.61	1.23	2.15	0.246	0.176	---	---	4
5	---	---	0.0140	0.7700	1.69	3.30	1.33	2.16	0.239	0.183	---	---	5
6	---	---	0.0150	1.02 0	2.12	2.87	1.29	2.11	0.236	0.204	---	---	6
7	---	---	0.0170	1.16 0	2.12	2.30	1.31	1.96	0.230	0.260	---	---	7
8	---	---	0.0170	1.26 0	2.28	1.86	1.24	1.88	0.200	0.303	---	---	8
9	---	---	0.0120	1.46 0	2.38	1.57	1.24	1.96	0.182	0.341	---	---	9
10	---	---	0.0108	1.32 0	2.52	1.39	1.30	1.82	0.186	0.351	---	---	10
11	---	---	0.0088	0.9960	2.77	1.24	1.29	1.70	0.183	0.378	---	---	11
12	---	---	0.0078	0.8430	2.86	1.12	1.20	1.57	0.185	0.381	---	---	12
13	---	---	0.0088	0.7670	3.17	1.06	1.09	1.43	0.172	0.404	---	---	13
14	---	---	0.0098	0.6850	3.35	0.983	1.01	1.31	0.181	0.415	---	---	14
15	---	---	0.0108	0.5080	3.51	0.927	1.15	1.18	0.168	0.413	---	---	15
16	---	---	0.0110	0.5090	3.69	0.831	1.21	1.06	0.164	0.443	---	---	16
17	---	---	0.0118	0.4670	3.58	0.803	1.21	0.913	0.166	0.425	---	---	17
18	---	---	0.0120	0.4110	3.62	0.752	1.46	0.812	0.126	0.389	---	---	18
19	---	---	0.0158	0.4120	3.50	0.731	1.71	0.788	0.166	0.377	---	---	19
20	---	---	0.0140	0.4520	3.24	0.842	1.85	0.744	0.166	0.370	---	---	20
21	---	---	0.0210	0.5200	3.16	1.27	1.55	0.676	0.160	0.372	---	---	21
22	---	---	0.0250	0.7380	3.29	1.03	1.38	0.633	0.142	0.372	---	---	22
23	---	---	0.0268	0.7758	3.55	1.06	1.23	0.568	0.165	0.384	---	---	23
24	---	---	0.0280	0.6008	3.82	2.06	1.25	0.499	0.164	0.358	---	---	24
25	---	---	0.0300	0.5758	3.69	2.16	1.23	0.441	0.169	0.352	---	---	25
26	---	---	0.0480	0.7720	3.87	2.16	1.28	0.389	0.163	0.352	---	---	26
27	---	---	0.1120	0.9310	4.04	2.08	1.24	0.378	0.161	0.356	---	---	27
28	---	---	0.2020	0.8040	4.20	1.90	1.10	0.353	0.163	0.3440	---	---	28
29	---		0.2110	0.770	4.27	1.63	1.24	0.326	0.169	0.3230	---	---	29
30	---		0.2138	0.662	5.00	1.44	1.27	0.287	0.164	0.3040	---	---	30
31	---		0.2038		4.86		1.53	0.264		0.2920		---	31
TOTAL	---	---	3.140	22.827	96.672	57.540	40.43	26.015	5.434	10.121	---	---	TOTAL
MEAN	---	---	0.101	0.761	3.11	1.92	1.30	1.16	0.181	0.327	---	---	MEAN
MAX	---	---	0.213	1.46	5.00	4.70	1.71	2.16	0.269	0.443	---	---	MAX
MIN	---	---	0.007	0.411	0.933	0.731	1.01	0.264	0.126	0.169	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.11
MAXIMUM DAILY, 5.00 ON MAY 30
MINIMUM DAILY, 0.0078 ON MAR 12
MAXIMUM INSTANTANEOUS,
5.07 AT 10 05 MST ON MAY 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 43 35 N
LONG 112 35 50 W
DRAINAGE AREA, 1 010 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	3 480
FEB	---	AUG	2 110
MAR	271	SEP	469
APR	1 970	OCT	670
MAY	8 240	NOV	---
JUN	4 870	DEC	---

TOTAL DISCHARGE, 23 800 dam³

MACKAY RIVER NEAR FORT MACKAY - STATION NO 07CB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2200	0.1680	0.1120	0.9000	80.00	47.2	13.8	36.1	4.57	2.44	2.28 B	0.9558	1
2	0.2190	0.1640	0.1100	0.5550	77.00	44.0	12.5	32.1	4.22	2.42	2.15 B	0.9558	2
3	0.2180	0.1620	0.1090	0.5500	74.00	39.0	11.2	29.7	4.15	2.43	2.01 B	0.9358	3
4	0.2170	0.1580	0.1080	0.7700	70.00	36.3	11.4	28.3	4.10	2.50	1.92 B	0.9208	4
5	0.2160	0.1560	0.1060	0.9300	65.8	32.8	12.5	28.1	4.00	2.45	1.84 B	0.9058	5
6	0.2160	0.1540	0.1060	1.10 B	54.3	30.1	13.0	27.9	3.77	2.68	1.77 B	0.9008	6
7	0.2160	0.1520	0.1060	1.37 B	50.0	28.6	12.7	25.6	3.65	3.28	1.70 B	0.8908	7
8	0.2160	0.1500	0.1100	1.58 B	46.0	22.8	12.7	24.2	3.64	3.60	1.64 B	0.8758	8
9	0.2140	0.1480	0.1120	2.05 B	43.5	20.1	13.1	22.6	3.63	4.05	1.58 B	0.8608	9
10	0.2120	0.1460	0.1150	2.70 B	42.4	17.8	12.6	22.1	3.35	4.35	1.52 B	0.8558	10
11	0.2100	0.1420	0.1180	3.40 B	43.0	15.8	12.0	20.5	3.12	4.58	1.49 B	0.8408	11
12	0.2080	0.1400	0.1200	4.05 B	43.2	13.6	11.9	19.1	2.88	4.72	1.44 B	0.8358	12
13	0.2080	0.1380	0.1220	5.50 B	42.6	12.5	11.4	17.5	2.78	4.73	1.40 B	0.8258	13
14	0.2070	0.1360	0.1250	6.50 B	43.5	11.4	10.5	16.1	2.71	4.74	1.37 B	0.8108	14
15	0.2070	0.1340	0.1290	8.00 B	43.7	10.7	11.7	14.7	2.54	4.70	1.33 B	0.8058	15
16	0.2070	0.1320	0.1340	10.0 B	44.3	9.87	13.6	13.5	2.51	4.68	1.30 B	0.8008	16
17	0.2070	0.1300	0.1380	12.5 B	42.6	9.42	14.1	12.2	2.52	4.62	1.29 B	0.7958	17
18	0.2070	0.1280	0.1420	16.5 B	41.6	8.72	14.1	11.1	2.45	4.58	1.27 B	0.7808	18
19	0.2070	0.1260	0.1480	21.0 B	40.1	8.64	14.8	10.9	2.42	4.48	1.24 B	0.7758	19
20	0.2070	0.1240	0.1550	24.5 B	38.4	9.11	14.7	10.6	2.40	4.14	1.21 B	0.7708	20
21	0.2050	0.1220	0.1620	29.0 B	36.6	12.5	17.6	9.96	2.30	4.08	1.18 B	0.7608	21
22	0.2020	0.1200	0.1700	33.0 B	37.0	17.0	18.5	9.39	2.23	4.00	1.16 B	0.7558	22
23	0.2000	0.1190	0.1850	37.0 B	40.5	19.0	18.6	8.85	2.22	3.78	1.14 B	0.7458	23
24	0.1980	0.1180	0.2020	42.0 B	55.0	19.4	18.2	8.33	2.21	3.77	1.09 B	0.7408	24
25	0.1960	0.1170	0.2140	49.0 B	50.5	19.9	19.0	7.83	2.17	3.89	1.07 B	0.7358	25
26	0.1900	0.1160	0.2350	55.0 B	58.0	19.6	18.2	8.91	2.15	3.66	1.05 B	0.7308	26
27	0.1858	0.1150	0.2600	63.5 B	54.6	19.0	17.9	6.24	2.16	3.65	1.03 B	0.7208	27
28	0.1808	0.1140	0.2900	74.5 B	51.6	17.8	16.9	5.85	2.27	3.67	1.01 B	0.7158	28
29	0.1788		0.3250	76.5 B	50.0	16.2	20.3	5.72	2.44	3.008	0.9908	0.7108	29
30	0.1768		0.3700	79.0 B	50.6	14.7	24.5	5.31	2.40	2.608	0.9808	0.7058	30
31	0.1708		0.4150		49.4		35.8	4.94		2.468		0.7008	31
TOTAL	6.220	3.829	5.259	862.735	1 574.2	802.26	439.9	501.65	88.04	114.55	42.450	25.110	TOTAL
MEAN	0.206	0.137	0.170	22.1	50.8	26.1	16.1	16.2	2.93	3.70	1.42	0.810	MEAN
MAX	0.220	0.168	0.415	79.0	80.0	47.2	35.8	36.1	4.57	4.74	2.28	0.965	MAX
MIN	0.170	0.114	0.108	0.480	38.5	8.64	10.5	4.94	2.15	2.42	0.980	0.700	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 11.3
MAXIMUM DAILY, 80.00 ON MAY 1
MINIMUM DAILY, 0.1080 ON MAR 8
MAXIMUM INSTANTANEOUS,
80.6 AT 10.45 MST ON MAY 1

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 12 38 N
LONG 111 41 35 W
DRAINAGE AREA 9 570 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	548	JUL	43 200
FEB	331	AUG	43 300
MAR	454	SEP	7 610
APR	57 300	OCT	9 900
MAY	136 000	NOV	3 670
JUN	52 000	DEC	2 170

TOTAL DISCHARGE 356 000 dam³

MACKAY IRRIGATION DISTRICT CANAL NEAR SPRING COULEE - STATION NO 05AL021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	0	0.961	1.76	1.53	0.676	0.257	0	---	1
2	---	---	---	0	0	1.21	1.84	1.40	0.543	0.292	0	---	2
3	---	---	---	0	0	1.20	1.95	1.38	0.595	0.298	0	---	3
4	---	---	---	0	0	1.22	2.02	1.34	0.500	0.234	0	---	4
5	---	---	---	0	0	0.995	2.02	1.23	0.469	0.156	0	---	5
6	---	---	---	0	0	0.600	2.06	1.16	0.376	0.158	0A	---	6
7	---	---	---	0	0	0.826	1.96	1.03	0.337	0.156	---	---	7
8	---	---	---	0	0	1.02	1.92	0.951	0.302	0.078	---	---	8
9	---	---	---	0	0	1.07	1.82	0.863	0.243	0	---	---	9
10	---	---	---	0	0	1.06	1.85	0.785	0.228	0	---	---	10
11	---	---	---	0	0	1.06	1.77	0.735	0.207	0	---	---	11
12	---	---	---	0	0	1.27	1.78	0.697	0.180	0	---	---	12
13	---	---	---	0	0	1.33	1.83	0.656	0.169	0	---	---	13
14	---	---	---	0	0	0.960	1.89	0.663	0.155	0	---	---	14
15	---	---	---	0	0	1.01	2.02	0.728	0.154	0	---	---	15
16	---	---	---	0	0	1.06	2.07	0.642	0.191	0	---	---	16
17	---	---	---	0	0	1.07	2.07	0.614	0.224	0	---	---	17
18	---	---	---	0	0	1.19	2.02	0.615	0.224	0	---	---	18
19	---	---	---	0	0	1.13	1.96	0.618	0.225	0	---	---	19
20	---	---	---	0	0.224	1.29	1.76	0.631	0.225	0	---	---	20
21	---	---	---	0	0.366	1.33	1.75	0.655	0.225	0	---	---	21
22	---	---	---	0	0.200	1.08	1.79	0.664	0.256	0	---	---	22
23	---	---	---	0	0.091	1.79	1.91	0.823	0.245	0	---	---	23
24	---	---	0A	0	0.091	1.63	1.97	0.812	0.292	0	---	---	24
25	---	---	0	0	0.227	0.469	1.93	0.828	0.292	0	---	---	25
26	---	---	0	0	0.262	1.86	1.33	0.884	0.271	0	---	---	26
27	---	---	0	0	0.394	2.13	1.19	0.766	0.288	0	---	---	27
28	---	---	0	0	0.415	2.08	1.08	0.805	0.315	0	---	---	28
29	---		0	0	0.552	1.78	1.19	0.805	0.315	0	---	---	29
30	---		0	0	0.624	1.87	1.28	0.810	0.285	0	---	---	30
31	---		0		0.805		1.49	0.789		0	---	---	31
TOTAL	---	---	---	0	6.812	37.887	54.19	25.072	9.136	1.827	---	---	TOTAL
MEAN	---	---	---	0	0.149	1.26	1.75	0.841	0.305	0.052	---	---	MEAN
MAX	---	---	---	0	0.805	2.13	2.07	1.53	0.676	0.298	---	---	MAX
MIN	---	---	---	0	0	0.469	1.08	0.612	0.154	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.623
MAXIMUM DAILY, 2.13 ON JUN 27
MINIMUM DAILY, 0 ON APR 1

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 20 55 N
LONG 113 03 15 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	4 880
FEB	---	AUG	2 250
MAR	---	SEP	769
APR	0	OCT	141
MAY	398	NOV	---
JUN	3 280	DEC	---

TOTAL DISCHARGE 11 500 dam³

MALIGNE RIVER NEAR JASPER - STATION NO. 07AA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.17	2.16	2.34	2.12	2.04	48.0	44.7	48.7	41.5	15.0	8.41	5.25	1
2	3.13	2.18	2.36	2.07	2.19	46.3	44.8	47.7	41.7	14.4	8.57	4.77	2
3	3.04	2.02	2.37	2.07	2.37	44.7	44.8	46.7	41.8	14.1	8.53	4.49	3
4	2.80	1.95	2.39	2.06	2.43	43.8	44.1	46.0	42.0	14.1	8.53	4.38	4
5	2.85	1.98	2.39	2.09	2.50	44.0	44.6	45.5	42.1	15.0	8.35	4.50	5
6	2.97	2.03	2.25	2.14	2.62	44.6	44.8	45.1	41.7	15.2	8.12	4.32	6
7	3.00	2.04	2.31	2.25	2.70	45.2	45.1	44.3	41.6	15.6	8.008	4.22	7
8	3.07	2.05	2.31	2.52	2.76	45.0	45.3	44.2	41.4	16.2	8.608	4.36	8
9	3.05	2.68	2.31	2.86	2.86	45.1	46.5	44.1	41.3	16.1	8.308	4.32	9
10	3.02	2.10	2.34	2.42	2.91	45.0	46.8	43.7	41.2	15.7	8.91	4.21	10
11	2.98	2.11	2.15	2.16	2.85	46.0	46.2	43.6	41.4	14.9	8.23	4.10	11
12	2.93	2.08	2.31	2.08	2.82	44.9	45.8	43.5	41.3	14.6	8.43	3.95	12
13	2.83	2.04	2.25	2.05	2.82	44.5	45.4	43.2	41.2	14.3	8.42	4.03	13
14	2.77	1.95	2.15	2.05	2.78	44.8	45.2	43.1	41.0	13.9	8.58	4.11	14
15	2.73	2.02	2.16	2.01	2.84	47.0	44.7	42.9	41.2	13.5	8.43	4.10	15
16	2.68	1.96	2.14	2.07	2.95	46.0	46.1	42.7	41.0	13.2	8.27	4.07	16
17	2.62	1.92	2.22	2.05	2.96	46.3	46.8	42.5	41.0	12.9	8.25	4.04	17
18	2.57	1.95	2.17	2.06	3.18	46.8	55.2	42.4	40.5	12.4	8.27	3.83	18
19	2.53	1.96	2.12	2.00	3.87	48.6	58.3	42.3	38.9	11.9	8.71	3.70	19
20	2.49	1.86	2.07	2.25	5.60	45.8	60.7	42.3	37.5	11.7	8.88	3.86	20
21	2.45	2.00	2.09	2.49	7.10	45.1	62.9	42.2	32.8	11.3	8.91	3.71	21
22	2.42	2.07	2.10	2.35	7.14	44.8	64.7	42.0	25.0	10.9	8.91	3.71	22
23	2.40	2.13	2.07	2.18	6.57	45.3	67.7	41.8	20.0	10.6	8.79	3.70	23
24	2.36	2.15	2.18	2.07	6.56	46.2	69.6	41.8	17.8	10.3	8.76	3.69	24
25	2.33	2.21	2.08	2.12	8.64	45.9	68.0	42.0	16.9	10.2	8.48	3.83	25
26	2.30	2.30	2.07	2.10	18.6	45.0	65.6	41.9	17.3	10.2	8.29	3.81	26
27	2.27	2.33	2.18	2.15	29.5	44.7	62.3	41.7	16.7	10.4	8.38	3.84	27
28	2.18	2.33	2.39	2.07	35.6	44.6	57.8	41.5	16.2	10.5	8.18	3.48	28
29	2.05		2.32	2.00	42.4	44.5	55.6	41.5	15.8	10.0	4.76	3.40	29
30	2.06		2.21	2.01	45.1	45.0	54.1	41.6	15.5	9.55	4.93	3.36	30
31	2.12		2.14		47.2		51.9	41.5		9.00		3.02	31
TOTAL	82.18	59.09	68.86	64.97	312.48	1 361.5	1 628.1	1 345.0	1 016.1	397.66	189.81	123.36	TOTAL
MEAN	2.65	2.07	2.22	2.17	10.1	45.4	52.5	43.4	33.9	12.8	8.33	3.98	MEAN
MAX	3.17	2.33	2.39	2.88	47.2	48.0	69.6	48.7	42.1	16.2	8.57	5.25	MAX
MIN	2.05	1.92	2.07	2.00	2.04	43.8	44.1	41.5	15.5	9.00	4.76	3.02	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 19.2
MAXIMUM DAILY, 69.6 ON JUL 24
MINIMUM DAILY, 1.92 ON FEB 17
MAXIMUM INSTANTANEOUS,
70.5 AT 17 00 MST ON JUL 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 55 51 N
LONG 118 01 34 W
DRAINAGE AREA, 908 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 100	JUL	141 000
FEB	5 020	AUG	116 000
MAR	5 950	SEP	87 800
APR	5 610	OCT	34 400
MAY	27 000	NOV	16 400
JUN	118 000	DEC	10 600

TOTAL DISCHARGE, 575 000 dam³

MAMAWI LAKE CHANNEL AT OLD DOG CAMP - STATION NO. 07KF003

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	208.432	208.251	207.493	207.055	209.136	209.159	209.386	209.513	209.382	209.208	---	208.672	1
2	208.426	208.223	207.438	207.111	209.156	209.159	209.352	209.525	209.394	209.141	---	208.680	2
3	208.463	208.157	207.412	207.151	209.128	209.242	209.339	209.546	209.431	209.123	---	208.712	3
4	208.467	208.104	207.445	207.185	209.024	209.271	209.478	209.541	209.441	209.119	---	208.716	4
5	208.473	---	207.429	207.294	208.932	209.305	209.485	209.522	209.385	209.065	---	208.716	5
6	208.481	---	---	207.426	209.128	209.324	209.362	209.524	209.358	209.137	---	208.784	6
7	208.472	---	---	207.563	209.177	209.333	209.338	209.525	209.426	209.123	---	208.765	7
8	208.454	---	---	207.693	209.202	209.310	209.344	209.560	209.408	209.091	---	208.722	8
9	208.433	---	---	207.723	209.213	209.362	209.333	209.529	209.408	209.052	---	208.725	9
10	208.440	---	---	207.722	209.260	209.277	209.329	209.531	209.454	---	---	208.711	10
11	208.390	---	---	207.718	209.144	209.252	209.339	209.510	209.415	---	---	208.701	11
12	208.386	---	207.304	207.721	209.022	209.242	209.362	209.513	209.351	---	---	208.689	12
13	208.354	---	207.301	207.748	208.950	209.218	209.378	209.532	209.315	---	---	208.677	13
14	208.328	---	207.276	207.818	208.935	209.261	209.386	209.469	209.323	---	208.834	208.666	14
15	208.306	---	207.240	207.916	208.921	209.281	209.425	209.567	209.282	---	---	208.644	15
16	208.297	---	207.224	207.954	208.878	209.276	209.443	209.538	209.293	---	---	208.626	16
17	208.316	---	207.206	208.074	208.830	209.266	209.414	209.538	209.287	---	---	208.637	17
18	208.323	---	207.186	208.163	208.866	209.280	209.380	209.526	209.262	---	---	208.627	18
19	208.352	---	207.176	208.236	208.869	209.279	209.400	209.513	209.272	---	---	208.625	19
20	208.326	---	207.134	208.331	208.877	209.184	209.324	209.502	209.293	---	---	208.641	20
21	208.332	---	207.116	208.407	208.886	209.265	209.387	209.504	209.254	---	---	208.628	21
22	208.356	---	207.080	208.451	208.906	209.339	209.417	209.486	209.266	---	---	208.604	22
23	208.367	---	207.042	208.449	208.905	209.279	209.416	209.477	209.279	---	---	208.616	23
24	208.363	---	207.023	208.458	208.841	209.304	209.437	209.493	209.315	---	208.884	208.587	24
25	208.335	---	207.028	208.525	208.038	209.311	209.459	209.470	209.276	---	208.888	208.587	25
26	208.368	---	207.046	208.589	209.071	209.312	209.477	209.478	209.307	---	208.730	208.581	26
27	208.332	---	207.037	208.830	209.041	209.348	209.482	209.456	209.269	---	208.689	208.545	27
28	208.333	207.584	207.004	208.953	209.093	209.350	209.487	209.447	209.229	---	208.688	208.558	28
29	208.288		207.001	208.884	208.200	209.347	209.517	209.448	209.205	---	208.689	208.585	29
30	208.295		207.016	209.064	209.176	209.361	209.513	209.352	209.187	---	208.683	208.532	30
31	208.287		207.043		209.139		209.521	209.441		---		208.531	31
MEAN	208.373	---	---	208.015	209.051	209.283	209.410	209.502	209.327	---	---	208.647	MEAN
MAX	208.481	---	---	209.064	209.260	209.362	209.521	209.567	209.454	---	---	208.784	MAX
MIN	208.287	---	---	207.055	208.830	209.184	209.324	209.352	209.187	---	---	208.531	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MAXIMUM DAILY, 209.587 ON AUG 15
MINIMUM DAILY, 207.001 ON MAR 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 38 00 N
LONG 111 20 00 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

MANATOKAN CREEK NEAR IRON RIVER - STATION NO 05AC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0018	0.001	0	0	0.001	0.001	0.001	0.0018	---	1
2	---	---	0 B	0.0018	0.005	0	0	0.001	0.001	0.001	0.0018	---	2
3	---	---	0 B	0.0018	0.035	0	0	0.001	0.001	0.001	0.0018	---	3
4	---	---	0 B	0.0018	0.037	0	0	0.001	0.001	0.001	0.0018	---	4
5	---	---	0 B	0.0018	0.039	0	0	0.001	0.001	0.001	---	---	5
6	---	---	0 B	0.0018	0.024	0	0	0.001	0.001	0.001	---	---	6
7	---	---	0 B	0.0018	0.002	0	0	0.001	0.001	0.001	---	---	7
8	---	---	0 B	0.0018	0.002	0	0	0.001	0.001	0.001	---	---	8
9	---	---	0 B	0.0018	0.002	0	0	0.001	0.001	0.001	---	---	9
10	---	---	0 B	0.0018	0.002	0	0	0.001	0.001	0.001	---	---	10
11	---	---	0 B	0.0018	0.003	0	0	0.001	0.001	0.001	---	---	11
12	---	---	0 B	0.0018	0.002	0	0	0.001	0.001	0.001	---	---	12
13	---	---	0 B	0.0018	0.002	0	0	0.001	0.001	0.001	---	---	13
14	---	---	0 B	0.0018	0.002	0	0	0.001	0.001	0.001	---	---	14
15	---	---	0 B	0.0018	0.002	0	0	0.001	0.001	0.001	---	---	15
16	---	---	0 B	0.0018	0.002	0	0	0.001	0.001	0.001	---	---	16
17	---	---	0 B	0.0018	0.001	0	0.001	0.001	0.001	0.001	---	---	17
18	---	---	0 B	0.0018	0.001	0	0.001	0.001	0.001	0.001	---	---	18
19	---	---	0 B	0.001	0.001	0	0.001	0.001	0.001	0.001	---	---	19
20	---	---	0 B	0.001	0.001	0	0.001	0.001	0.001	0.001	---	---	20
21	---	---	0 B	0.001	0.001	0	0.001	0.001	0.001	0.001	---	---	21
22	---	---	0 B	0.001	0	0	0.001	0.001	0.001	0.001	---	---	22
23	---	---	0 B	0.001	0	0	0.001	0.001	0.001	0.001	---	---	23
24	---	---	0 B	0.001	0	0	0.001	0.001	0.001	0.001	---	---	24
25	---	08	0 B	0.001	0	0	0.001	0.001	0.001	0.001	---	---	25
26	---	08	0 B	0.001	0	0	0.001	0.001	0.001	0.001	---	---	26
27	---	08	0 B	0.001	0	0	0.001	0.001	0.001	0.001	---	---	27
28	---	08	0.0058	0.001	0	0	0.001	0.001	0.001	0.001	---	---	28
29	---		0.0088	0.001	0	0	0.001	0.001	0.001	0.001	---	---	29
30	---		0.0018	0.001	0	0	0.001	0.001	0.001	0.0018	---	---	30
31	---		0.0018		0		0.001	0.001		0.0018	---	---	31
TOTAL	---	---	0.018	0.030	0.155	0	0.018	0.031	0.030	0.031	---	---	TOTAL
MEAN	---	---	0.001	0.001	0.005	0	0	0.001	0.001	0.001	---	---	MEAN
MAX	---	---	0.008	0.001	0.039	0	0.001	0.001	0.001	0.001	---	---	MAX
MIN	---	---	0	0.001	0	0	0	0.001	0.001	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.039 ON MAY 5
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.040 AT 18:34 MST ON MAY 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 26 55 N
LONG 110 55 10 W
DRAINAGE AREA, 442 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1.30
FEB	---	AUG	2.66
MAR	1.38	SEP	2.59
APR	2.59	OCT	2.66
MAY	14.3	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 27.5 dam³

MANYBERRIES CREEK AT BRODIN'S FARM - STATION NO 05AF01C

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0.0058	6.03	0.053	0.084	0.046	0	0	0	0.410	0.008	---	1
2	---	0.0038	5.07	0.031	0.044	0.032	0	0	0	0.440	0.004	---	2
3	---	0.0028	3.88	0.048	0.040	0.024	0	0	0	0.461	0.0044	---	3
4	---	0.0018	3.88 A	0.044	0.078	0.017	0	0	0	0.290	---	---	4
5	---	0.0018	3.07 A	0.033	0.105	0.012	0	0	0	0.241	---	---	5
6	---	0 B	1.36	0.018	0.178	0.009	0	0	0	0.206	---	---	6
7	---	0 B	0.580	0.011	0.101	0.218	0	0	0	0.177	---	---	7
8	---	0 B	0.391	0.006	0.058	0.133	0	0	0	0.148	---	---	8
9	---	0 B	0.438	0.004	0.048	0.603	0	0	0	0.126	---	---	9
10	---	0 B	0.880	0.008	0.040	0.172	0	0	0	0.081	---	---	10
11	---	0 B	0.706	0.015	0.028	0.047	0	0	0	0.068	---	---	11
12	---	0 B	0.634	0.014	0.021	0.017	0	0	0	0.052	---	---	12
13	---	0 B	0.489	0.026	0.015	0.009	0	0	0	0.045	---	---	13
14	---	0 B	0.503	0.018	0.014	0.003	0	0	0	0.039	---	---	14
15	---	0 B	0.577	0.013	0.089	0.003	0	0	0	0.035	---	---	15
16	---	0 B	0.380	0.012	0.344	0.009	0	0	0	0.031	---	---	16
17	---	0 B	0.287	0.010	1.88	0.020	0	0	0	0.028	---	---	17
18	---	0 B	0.215	0.008	1.64	0.004	0	0	0	0.034	---	---	18
19	---	0 B	0.196	0.004	1.62	4.11	0	0	0	0.022	---	---	19
20	---	0 B	0.672	0.004	1.30	0.301	0	0	0	0.031	---	---	20
21	---	0 B	0.870	0.004	1.04 E	0.087	0	0	0	0.018	---	---	21
22	---	0 B	1.15	0.004	0.780E	0.034	0	0	0	0.018	---	---	22
23	---	0 B	0.616	0.005	0.613E	0.015	0	0	0	0.017	---	---	23
24	---	0 B	0.363	0.004	0.515E	0.009	0	0	0	0.016	---	---	24
25	---	1.40 B	0.238	0.005	0.433E	0.001	0	0	0.005	0.018	---	---	25
26	---	10.7 B	0.184	0.128	0.358A	0	0	0	15.1	0.015	---	---	26
27	---	11.2 B	0.145	0.124	0.296	0	0	0	17.4	0.013	---	---	27
28	---	7.18 B	0.110	0.103	0.232	0	0	0	9.86	0.013	---	---	28
29	0.0118		0.136	0.083	0.174	0	0	0	1.70	0.011	---	---	29
30	0.0088		0.139	0.065	0.120	0	0	0	0.865	0.010	---	---	30
31	0.0088		0.094		0.076		0	0	0.476	0.010	---	---	31
							0	0		0.011			
TOTAL	---	30.493	31.845	0.900	12.283	5.836	0	0	48.288	3.112	---	---	TOTAL
MEAN	---	1.09	1.03	0.030	0.396	0.195	0	0	1.84	0.100	---	---	MEAN
MAX	---	11.2	6.03	0.128	1.88	4.11	0	0	17.4	0.461	---	---	MAX
MIN	---	0	0.094	0.004	0.014	0	0	0	0	0.010	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.480
MAXIMUM DAILY, 17.4 ON SEP 26
MINIMUM DAILY, 0.0 ON FEB 6
MAXIMUM INSTANTANEOUS,
39.0 AT 18:05 MST ON SEP 26

SUMMARY FOR THE MONTHS FEB TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 21 30 N
LONG 110 43 30 W
DRAINAGE AREA, 339 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	2 830	AUG	0
MAR	2 750	SEP	4 000
APR	97.5	OCT	299
MAY	1 080	NOV	---
JUN	513	DEC	---

TOTAL DISCHARGE, 11 300 dam³

MARIE LAKE NEAR COLD LAKE - STATION NO. 06AC005

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	573.433	573.443	573.478	573.546	573.569	573.697	573.678	573.603	573.522	---	1
2	---	---	573.432	573.441	573.482	573.547	573.568	573.703	573.678	573.596	573.521	---	2
3	---	---	573.432	573.441	573.484	573.543	573.569	573.708	573.672	573.593	573.522	---	3
4	---	---	573.430	573.443	573.484	573.539	573.563	573.715	573.687	573.592	573.525A	---	4
5	---	---	573.428	573.444	573.486	573.542	573.564	573.719	573.680	573.587	---	---	5
6	---	---	573.427	573.443	573.488	573.542	573.563	573.722	573.656	573.592	---	---	6
7	---	---	573.431	573.445	573.487	573.539	573.561	573.726	573.653	573.588	---	---	7
8	---	---	573.438	573.445	573.489	573.538	573.562	573.730	573.648	573.581	---	---	8
9	---	---	573.441	573.446	573.489	573.541	573.563	573.730	573.647	573.583	---	---	9
10	---	---	573.441	573.446	573.494	573.540	573.563	573.731	573.643	573.578	---	---	10
11	---	---	573.441	573.449	573.496	573.544	573.567	573.736	573.644	573.585	---	---	11
12	---	---	573.440	573.448	573.499	573.544	573.576	573.742	573.635	573.585	---	---	12
13	---	---	573.441	573.449	573.502	573.542	573.576	573.742	573.630	573.586	---	---	13
14	---	---	573.439	573.450	573.506	573.540	573.582	573.740	573.625	573.583	---	---	14
15	---	---	573.441	573.452	573.515	573.538	573.583	573.738	573.621	573.585	---	---	15
16	---	---	573.444	573.452	573.513	573.536	573.586	573.733	573.620	573.582	---	---	16
17	---	---	573.444	573.452	573.512	573.539	573.602	573.728	573.618	573.581	---	---	17
18	---	---	573.444	573.453	573.517	573.540	573.614	573.731	573.617	573.580	---	---	18
19	---	---	573.444	573.455	573.519	573.540	573.613	573.730	573.615	573.557	---	---	19
20	---	---	573.446	573.460	573.521	573.546	573.611	573.723	573.613	573.557	---	---	20
21	---	---	573.448	573.462	573.522	573.545	573.617	573.721	573.613	573.559	---	---	21
22	---	---	573.445	573.463	573.531	573.548	573.619	573.714	573.612	573.564	---	---	22
23	---	---	573.444	573.463	573.539	573.560	573.619	573.713	573.608	573.563	---	---	23
24	---	---	573.441	573.464	573.541	573.565	573.618	573.712	573.606	573.562	---	---	24
25	---	---	573.445	573.465	573.543	573.564	573.625	573.700	573.605	573.590	---	---	25
26	---	573.435A	573.445	573.468	573.545	573.564	573.628	573.697	573.609	573.561	---	---	26
27	---	573.434	573.447	573.467	573.546	573.568	573.634	573.697	573.607	573.551	---	---	27
28	---	573.434	573.445	573.467	573.547	573.566	573.637	573.698	573.607	573.548	---	---	28
29	---		573.445	573.470	573.553	573.570	573.647	573.694	573.609	573.536	---	---	29
30	---		573.445	573.478	573.550	573.569	573.641	573.695	573.607	573.537	---	---	30
31	---		573.442		573.549		573.638	573.695		573.529		---	31
MEAN	---	---	573.440	573.454	573.514	573.548	573.600	573.718	573.631	573.565	---	---	MEAN
MAX	---	---	573.448	573.478	573.553	573.570	573.648	573.742	573.678	573.603	---	---	MAX
MIN	---	---	573.427	573.441	573.478	573.536	573.561	573.688	573.605	573.529	---	---	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MAXIMUM DAILY, 573.742 ON AUG 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 35 35 N
LONG 110 18 15 W

A - MANUAL GAUGE

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA,
476 km²

MARMOT CREEK MAIN STEM NEAR SEEBE - STATION NO. 05BF016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.027	0.020	0.018	0.017	0.027	1.15	0.246	0.225	0.078	0.077	0.100	0.048	1
2	0.026	0.020	0.018	0.017	0.029	1.08	0.240	0.215	0.076	0.072	0.111	0.048	2
3	0.026	0.019	0.018	0.017	0.047	0.935	0.253	0.202	0.078	0.071	0.105	0.047	3
4	0.024	0.019	0.018	0.017	0.057	0.761	0.239E	0.182	0.078	0.079	0.101	0.046	4
5	0.023	0.018	0.017	0.018	0.046	0.688	0.226E	0.167	0.080	0.089	0.096	0.045	5
6	0.025	0.018	0.017	0.019	0.041	0.628	0.212E	0.175	0.077	0.143	0.092	0.044	6
7	0.025	0.017	0.017	0.020	0.040	0.623	0.207E	0.160	0.077	0.168	0.077	0.043	7
8	0.025	0.017	0.017	0.025	0.044	0.634	0.206E	0.158	0.077	0.179	0.0628	0.043	8
9	0.025	0.016	0.017	0.034	0.052	0.633	0.206E	0.151	0.076	0.186	0.078	0.042	9
10	0.025	0.017	0.018	0.029	0.055	0.624	0.199E	0.141	0.073	0.180	0.0748	0.041	10
11	0.025	0.017	0.018	0.026	0.052	0.621	0.192E	0.135	0.074	0.184	0.078	0.039	11
12	0.024	0.017	0.018	0.023	0.048	0.582	0.188E	0.133	0.076	0.185	0.081	0.038	12
13	0.024	0.018	0.018	0.022	0.048	0.517	0.181E	0.133	0.078	0.189	0.084	0.038	13
14	0.024	0.014	0.018	0.021	0.045	0.483	0.169E	0.123	0.078	0.186	0.084	0.038	14
15	0.024	0.014	0.018	0.021	0.045	0.505	0.168E	0.123	0.074	0.187	0.084	0.037	15
16	0.023	0.014	0.018	0.021	0.047	0.488	0.164E	0.123	0.072	0.187	0.084	0.036	16
17	0.023	0.015	0.018	0.021	0.055	0.466	0.192E	0.119	0.071	0.186	0.083	0.036	17
18	0.023	0.015	0.018	0.020	0.075	0.472	0.183E	0.113	0.087	0.183	0.082	0.035	18
19	0.022	0.015	0.018	0.022	0.115	0.485	0.202E	0.106	0.085	0.147	0.082	0.035	19
20	0.022	0.018	0.018	0.026	0.160	0.430	0.212E	0.104	0.085	0.143	0.081	0.034	20
21	0.022	0.018	0.017	0.035	0.188A	0.384	0.220E	0.098	0.083	0.138	0.081	0.034	21
22	0.022	0.018	0.018	0.055	0.178A	0.324	0.231E	0.092	0.083	0.132	0.089	0.033	22
23	0.022	0.018	0.018	0.040	0.180	0.309	0.240E	0.089	0.083	0.126	0.084	0.033	23
24	0.022	0.018	0.018	0.037	0.209	0.318	0.228E	0.087	0.082	0.122	0.087	0.032	24
25	0.021	0.021	0.018	0.033	0.279	0.318	0.218E	0.086	0.071	0.118	0.086	0.032	25
26	0.021	0.018	0.018	0.031	0.458	0.311	0.217E	0.083	0.071	0.119	0.085	0.032	26
27	0.021	0.017	0.018	0.038	0.980	0.292	0.218E	0.080	0.072	0.129	0.084	0.031	27
28	0.021	0.017	0.022	0.037	1.34	0.275	0.214A	0.076	0.069	0.118	0.083	0.031	28
29	0.020		0.020	0.028	1.27	0.273	0.236	0.075	0.084	0.114	0.081	0.031	29
30	0.020		0.018	0.027	1.31	0.259	0.230	0.087	0.077	0.113	0.048	0.031	30
31	0.020		0.018		1.18		0.230	0.083		0.094		0.030	31
TOTAL	0.717	0.488	0.526	0.778	5.807	15.858	6.973	3.952	2.163	4.126	2.112	1.184	TOTAL
MEAN	0.023	0.017	0.017	0.028	0.284	0.529	0.212	0.127	0.072	0.133	0.070	0.038	MEAN
MAX	0.027	0.021	0.022	0.055	1.27	1.15	0.253	0.225	0.080	0.185	0.111	0.048	MAX
MIN	0.020	0.014	0.018	0.017	0.027	0.259	0.164	0.075	0.069	0.071	0.048	0.030	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.129
MAXIMUM DAILY, 1.37 ON MAY 29
MINIMUM DAILY, 0.014 ON FEB 14
MAXIMUM INSTANTANEOUS,
1.46 AT 16.10 MST ON MAY 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 01 N
LONG 115 09 06 W
DRAINAGE AREA, 8.40 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	61.9	JUL	568
FEB	40.4	AUG	341
MAR	45.4	SEP	187
APR	67.3	OCT	357
MAY	761	NOV	183
JUN	1 370	DEC	101

TOTAL DISCHARGE, 4 080 dam³

MARTINEAU RIVER ABOVE COLD LAKE - STATION NO. 06AF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.738	2.488	3.358	7.108	10.4	30.6	16.8	---	23.0	14.5	12.9 E	8.398	1
2	1.778	2.488	4.708	7.208	10.5	29.6	17.8	---	20.9	14.5	14.7 E	8.578	2
3	1.818	2.488	5.108	7.358	10.7	29.1	17.7	---	21.1	13.7	10.6 E	8.388	3
4	1.858	2.488	5.508	7.458	11.0	25.9	18.0	---	22.4	13.4	10.8 E	8.338	4
5	1.888	2.488	5.208	7.608	11.0	23.1	18.3	---	20.6	14.2	10.7 E	8.468	5
6	1.928	2.488	5.008	7.758	11.1	21.3	20.6	---	19.4	13.5	10.7 E	8.538	6
7	1.988	2.468	5.808	7.908	10.5	21.0	20.5	---	18.8	14.2	10.7 E	8.448	7
8	2.028	2.438	5.658	8.008	10.6	18.4	19.9	---	18.3	14.2	8.808	8.388	8
9	2.068	2.408	5.558	11.0 E	10.8	17.5	19.3	---	17.9	13.2	8.508	8.358	9
10	2.128	2.358	5.458	15.0 E	11.0	17.2	18.9	---	17.3	14.1	8.408	8.338	10
11	2.188	2.308	5.408	14.3 E	10.9	16.2	18.7	---	16.9	15.6	8.408	8.318	11
12	2.268	2.258	5.408	12.7 E	11.6	17.9	19.3	---	17.5	12.4	8.408	8.298	12
13	2.308	2.208	5.408	11.4 E	12.3	18.3	21.6	---	16.8	12.7	8.408	8.288	13
14	2.388	2.148	5.468	10.2 E	13.2	17.5	23.6	---	16.1	12.8	8.408	8.278	14
15	2.428	2.088	5.408	9.308	11.6	16.6	24.7	---	15.7	12.7	8.408	8.258	15
16	2.468	1.988	5.458	8.308	10.3	16.4	29.3	---	15.4	12.6	8.408	8.248	16
17	2.488	1.898	5.538	8.008	12.6	15.0	33.8	---	15.9	12.7	8.408	8.238	17
18	2.468	1.808	5.628	7.908	15.5	15.0	39.7	---	16.1	12.5	8.408	8.228	18
19	2.488	1.758	5.658	7.858	18.5	16.3	43.9A	---	15.4	12.3	8.408	8.218	19
20	2.488	1.718	5.628	7.808	20.2	16.4	---	---	15.1	12.1	8.408	8.018	20
21	2.488	1.708	5.628	7.858	20.7	18.2	---	---	15.0	12.1	8.408	7.898	21
22	2.488	1.698	5.628	7.958	21.9	19.3	---	---	14.8	12.0	8.408	7.928	22
23	2.488	1.698	5.008	8.108	24.2	14.4	---	---	14.5	11.7	8.408	8.088	23
24	2.488	1.708	5.308	8.258	26.3	18.7	---	---	14.2	11.8	8.408	8.228	24
25	2.488	1.718	5.708	8.358	28.0	21.1	---	---	13.3	11.4	8.488	8.278	25
26	2.488	1.778	5.808	10.3	29.8	21.9	---	---	14.8	11.4	8.898	8.188	26
27	2.488	1.928	6.008	10.1	31.0	22.2	---	---	14.7	11.2	8.898	8.038	27
28	2.488	2.408	6.308	9.68	32.5	21.6	---	26.5A	14.4	12.1	8.748	7.928	28
29	2.488		6.708	10.0	33.2	20.4	---	25.5	14.5	11.4	8.548	8.008	29
30	2.488		6.908	10.2	32.7	18.5	---	24.9	14.5	10.2	8.398	8.198	30
31	2.488		7.008		32.0		---	24.7		8.648		8.268	31
TOTAL	70.37	59.22	180.16	275.68	557.2	599.5	---	---	505.4	391.84	276.33	255.43	TOTAL
MEAN	2.27	2.12	5.81	9.20	18.0	20.0	---	---	16.8	12.6	9.21	8.24	MEAN
MAX	2.48	2.48	7.00	15.0	33.2	30.6	---	---	23.0	15.6	14.7	8.57	MAX
MIN	1.73	1.69	3.35	7.10	10.3	15.0	---	---	13.3	8.64	8.39	7.89	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MINIMUM DAILY, 1.698 ON FEB 22

REMARKS - DAILY AND INSTANTANEOUS DISCHARGE LOST DUE TO VANDALISM ON JUL 18

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 41 10 N
LONG 110 01 35 W
DRAINAGE AREA, 5 350 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 080	JUL	---
FEB	5 120	AUG	---
MAR	15 600	SEP	43 700
APR	23 800	OCT	33 800
MAY	48 100	NOV	23 900
JUN	51 800	DEC	22 100

MASKWA CREEK NO 1 ABOVE BEARHILLS LAKE - STATION NO 05FA014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.194B	0.057B	0.012E	0.082	0	0.091	0.007E	0.008E	0.014E	---	1
2	---	---	0.163B	0.062B	0.012E	0.058	0	0.085	0.007E	0.008E	0.015E	---	2
3	---	---	0.125B	0.073B	0.012E	0.051	0	0.087	0.007E	0.008E	0.015A	---	3
4	---	---	0.115B	0.071B	0.011E	0.045	0	0.100	0.007E	0.008E	---	---	4
5	---	---	0.128B	0.087B	0.011E	0.040	0	0.109	0.007E	0.009E	---	---	5
6	---	---	0.090B	0.062B	0.011E	0.036	0.001	0.085A	0.007E	0.008E	---	---	6
7	---	---	0.087B	0.058B	0.011E	0.031	0.006	0.097A	0.006E	0.009E	---	---	7
8	---	---	0.083B	0.052B	0.011E	0.026	0.016	0.071E	0.006E	0.009E	---	---	8
9	---	---	0.079B	0.046B	0.012E	0.018	0.022	0.073A	0.006E	0.009E	---	---	9
10	---	---	0.077B	0.040B	0.012E	0.016	0.025	0.008E	0.006E	0.009E	---	---	10
11	---	---	0.075B	0.037B	0.012E	0.014	0.034	0.008E	0.006E	0.009E	---	---	11
12	---	---	0.073B	0.032B	0.013E	0.011	0.036	0.008A	0.006E	0.009E	---	---	12
13	---	---	0.091B	0.027B	0.040E	0.011	0.039	0.008E	0.006E	0.009E	---	---	13
14	---	---	0.090B	0.023B	0.056	0.014	0.039	0.008E	0.006E	0.009E	---	---	14
15	---	---	0.083B	0.020B	0.084	0.020	0.046	0.008E	0.006A	0.009E	---	---	15
16	---	---	0.104B	0.019E	0.118	0.014	0.049	0.008E	0.006E	0.010E	---	---	16
17	---	---	0.115B	0.016E	0.143	0.009	0.103	0.008E	0.006E	0.010E	---	---	17
18	---	---	0.124B	0.017E	0.158	0.007	0.078	0.008E	0.006E	0.010E	---	---	18
19	---	---	0.196B	0.018E	0.152	0.015	0.064	0.006E	0.007E	0.010E	---	---	19
20	---	---	0.285B	0.016E	0.152	0.009	0.081	0.008E	0.007E	0.010A	---	---	20
21	---	---	0.291B	0.016E	0.153	0.002	0.060	0.007E	0.007E	0.011E	---	---	21
22	---	---	0.248B	0.015E	0.140	0	0.084	0.007E	0.007E	0.011E	---	---	22
23	---	---	0.224B	0.016E	0.125	0	0.071	0.007E	0.007E	0.011E	---	---	23
24	---	0 B	0.200B	0.014E	0.118	0	0.071	0.007E	0.007E	0.012E	---	---	24
25	---	0 B	0.206B	0.014E	0.104	0	0.076	0.007E	0.007E	0.012E	---	---	25
26	---	0.138B	0.241B	0.013E	0.098	0	0.078	0.007E	0.007E	0.012E	---	---	26
27	---	0.326B	0.205B	0.013E	0.084	0	0.111	0.007E	0.007E	0.013E	---	---	27
28	---	0.223B	0.180B	0.013E	0.078	0	0.127	0.007E	0.008E	0.013E	---	---	28
29	---		0.168B	0.013E	0.075	0	0.126	0.007E	0.008E	0.013E	---	---	29
30	---		0.137B	0.013E	0.070	0	0.115	0.007E	0.008E	0.014E	---	---	30
31	---		0.089B		0.067		0.098	0.007E		0.014E	---	---	31
TOTAL	---	---	4.568	0.951	2.156	0.608	1.617	0.983	0.201	0.315	---	---	TOTAL
MEAN	---	---	0.147	0.032	0.070	0.017	0.052	0.031	0.007	0.010	---	---	MEAN
MAX	---	---	0.291	0.073	0.158	0.082	0.127	0.109	0.008	0.014	---	---	MAX
MIN	---	---	0.073	0.012	0.011	0	0	0.007	0.006	0.008	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.066
MAXIMUM DAILY, 0.291B ON MAR 21
MINIMUM DAILY, 0 ON JUN 22
MAXIMUM INSTANTANEOUS,
0.511B AT 21 35 MST ON FEB 26

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 47 05 N
LONG 113 37 46 W
DRAINAGE AREA, 73.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	140
FEB	---	AUG	83.2
MAR	396	SEP	17.4
APR	82.2	OCT	27.2
MAY	186	NOV	---
JUN	43.8	DEC	---

TOTAL DISCHARGE, 975 dam³

MASSY RESERVOIR NEAR ELKWATER - STATION NO. 11AB104

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	26.449E	27.706E	28.680A	28.810	28.832	28.326E	26.782E	DRY	DRY	---	---	1
2	---	26.414E	27.903E	28.676	28.805	28.828	28.323E	26.447E	DRY	DRY	---	---	2
3	---	26.378E	28.101E	28.664	28.810	28.816	28.319E	26.113E	DRY	DRY	---	---	3
4	---	26.343A	28.299E	28.665	28.810A	28.801	28.315E	25.778E	DRY	DRY	---	---	4
5	---	26.370E	28.497E	28.666	28.853E	28.798	28.311E	25.445E	DRY	DRY	---	---	5
6	---	26.397E	28.695A	28.664	28.877A	28.794	28.308E	25.111E	DRY	DRY	---	---	6
7	---	26.425E	28.753E	28.665	28.871E	28.801	28.304E	24.777E	DRY	DRY	---	---	7
8	---	26.452E	28.811E	28.662	28.864E	28.811	28.300E	24.442E	DRY	DRY	---	---	8
9	---	26.478E	28.868E	28.661	28.858E	28.827	28.253E	24.108E	DRY	DRY	---	---	9
10	---	26.506E	28.926A	28.654	28.851E	28.828	28.206A	23.774E	DRY	DRY	---	---	10
11	---	26.533E	28.925E	28.841	28.845A	28.824	28.105E	23.774E	DRY	DRY	---	---	11
12	---	26.560E	28.924E	28.834	28.837	28.811	28.003E	24.500E	DRY	DRY	---	---	12
13	---	26.588E	28.923E	28.838	28.833	28.809	27.902E	25.000E	DRY	DRY	---	---	13
14	---	26.615E	28.923E	28.832	28.834	28.807	27.800E	25.500E	DRY	DRY	---	---	14
15	---	26.642E	28.922E	28.834	28.853	28.817	27.791E	26.130E	DRY	DRY	---	---	15
16	---	26.669E	28.921E	28.842	28.889E	28.816	27.783E	26.200E	DRY	DRY	---	---	16
17	---	26.696E	28.920A	28.848	28.974E	28.818	27.774E	26.300E	DRY	DRY	---	---	17
18	---	26.724E	28.918E	28.844	29.013E	28.815	27.766E	26.357A	DRY	DRY	---	---	18
19	---	26.751E	28.916E	28.841	29.032E	28.808	27.757E	26.310E	DRY	DRY	---	---	19
20	---	26.778E	28.914E	28.842	28.992E	28.796	27.749E	26.250E	DRY	DRY	---	---	20
21	---	26.805E	28.912E	28.844	28.955E	28.788	27.740E	25.100E	DRY	DRY	---	---	21
22	---	26.832E	28.910E	28.842	28.964E	28.782	27.690A	24.500E	DRY	DRY	---	---	22
23	---	26.860E	28.908E	28.830	28.950	28.779	27.630A	24.050E	DRY	DRY	---	---	23
24	---	26.887E	28.906E	28.826	28.920	28.778	27.555E	24.000E	DRY	DRY	---	---	24
25	---	26.914A	28.904E	28.824	28.908	28.771	27.500E	23.774E	DRY	DRY	---	---	25
26	---	27.112E	28.902E	28.824	28.888	28.765A	27.490E	DRY	DRY	DRY	---	---	26
27	---	27.310E	28.900E	28.823	28.871	28.658E	27.480E	DRY	DRY	DRY	---	---	27
28	26.591A	27.508E	28.898E	28.822	28.862	28.548E	27.470E	DRY	DRY	DRY	---	---	28
29	26.556E		28.896E	28.814	28.855	28.438E	27.460E	DRY	DRY	DRY	---	---	29
30	26.520E		28.894E	28.808	28.851	28.330E	27.450E	DRY	DRY	DRY	---	---	30
31	26.485E		28.892E		28.842		27.118E	DRY		DRY		---	31
MEAN	---	26.678	28.764	28.844	28.883	28.763	27.871	25.645	DRY	DRY	---	---	MEAN
MAX	---	27.508	28.926	28.890	29.032	28.832	28.326	DRY	DRY	DRY	---	---	MAX
MIN	---	26.343	27.706	28.808	28.805	28.330	27.118	23.774	DRY	DRY	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 29.032E ON MAY 19
MINIMUM DAILY, DRY ON SEP 10

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 28 04 N
LONG 110 22 12 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
22.5 km²

MATZHIWIN CREEK ABOVE WARE COULEE - STATION NO. 05CJ007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.650B	0.287	0.131	2.38	11.0	5.30	3.82	3.99	0.5428	---	1
2	---	---	0.670B	0.267	0.127	3.47	8.96	5.93	4.01	3.87	0.5248	---	2
3	---	---	0.680B	0.234	0.115	4.11	7.48	5.83	4.27	3.48	0.4338	---	3
4	---	---	0.660B	0.218	0.101	4.52	6.47	5.87	4.00	2.54	0.3688	---	4
5	---	---	0.350B	0.221	0.133	5.13	6.87	5.57	3.71	1.88	0.3308	---	5
6	---	---	0.250B	0.218	0.182	4.95	6.51	5.01	3.29	1.50	0.3128	---	6
7	---	---	0.190B	0.213	0.256	5.27	6.18	4.66	2.84	1.33	0.2688	---	7
8	---	---	0.188B	0.208	0.247	6.43	6.48	4.37	2.51	1.21	0.2648	---	8
9	---	---	0.200B	0.207	0.214	7.98	7.07	4.33	2.36	1.10	0.2128	---	9
10	---	---	0.217B	0.203	0.196	8.81	7.09	4.68	2.22	0.958	0.3078	---	10
11	---	---	0.227B	0.202	0.201	9.70	7.36	5.25	2.13	0.884	0.3288	---	11
12	---	---	0.234B	0.186	0.214	8.04	7.39	5.09	1.87	0.832	0.3118	---	12
13	---	---	0.249B	0.142	0.214	7.49	7.74	5.24	1.86	0.802	0.3078	---	13
14	---	---	0.275B	0.134	0.266	7.23	7.87	5.50	2.11	0.756	0.3468	---	14
15	---	---	0.288B	0.145	0.823	7.34	7.63	4.87	2.03	0.721	0.3048	---	15
16	---	---	0.290B	0.172	0.754	8.01	7.57	4.40	1.42	0.677	0.2888	---	16
17	---	---	0.280B	0.155	0.674	7.98	8.09	4.48	1.36	0.640	0.3338	---	17
18	---	---	0.265B	0.150	0.554	7.68	9.18	4.44	1.46	0.609	0.3528	---	18
19	---	---	0.400B	0.140	0.505	7.70	8.32	4.46	1.78	0.580	0.3408	---	19
20	---	---	0.500B	0.134	0.488	7.50	7.29	4.26	2.07	0.556	0.3428	---	20
21	---	---	0.662	0.132	0.439	6.95	7.23	3.86	2.47	0.533	0.3238	---	21
22	---	---	0.546	0.131	0.454	6.88	7.35	3.63	2.81	0.526	0.3128	---	22
23	---	---	0.462	0.136	1.19	7.76	7.50	3.69	2.73	0.509	0.2908	---	23
24	---	D B	0.466	0.139	1.26	8.44	7.69	3.75	2.68	0.495	0.2838	---	24
25	---	---	0.375	0.139	0.971	8.41	7.71	3.81	4.28	0.492	0.2518	---	25
26	---	---	0.366	0.139	0.854	8.21	8.18	3.82	10.9	0.483	0.2508	---	26
27	---	---	0.330	0.165	0.972	7.60	9.16	3.88	11.1	0.485	0.2498	---	27
28	---	0.6328	0.361	0.157	1.43	7.64	9.70	3.76	7.19	0.502	0.2498	---	28
29	---		0.354	0.138	1.48	7.87	9.10	3.64	5.41	0.508	0.2498	---	29
30	---		0.331	0.138	1.74	10.5	8.26	3.67	4.40	0.496	0.2498	---	30
31	---		0.291		2.26		7.43	3.84		0.445		---	31
TOTAL	---	---	11.609	5.229	19.258	211.88	241.76	141.80	105.07	34.389	9.507	---	TOTAL
MEAN	---	---	0.374	0.174	0.621	7.06	7.80	4.57	3.50	1.11	0.317	---	MEAN
MAX	---	---	0.680	0.287	2.25	10.5	11.0	5.30	11.1	3.99	0.542	---	MAX
MIN	---	---	0.188	0.131	0.101	2.38	6.18	3.59	1.36	0.445	0.212	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.15
MAXIMUM DAILY, 11.1 ON SEP 27
MINIMUM DAILY, 0.101 ON MAY 4

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 50 30 N
LONG 111 55 48 W
DRAINAGE AREA, 2 450 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	20 900
FEB	---	AUG	13 300
MAR	1 000	SEP	9 080
APR	452	OCT	2 970
MAY	1 660	NOV	821
JUN	18 300	DEC	---

TOTAL DISCHARGE, 66 700 dam³

MCALPINE CREEK (EAST FORK) NEAR ELKWATER LAKE - STATION NO. 05AH043

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.026	0.003	0	0.021	0	0	0	0.017	0.006	---	1
2	---	0 B	0.019	0.001	0	0.019	0	0	0	0.026	0.008	---	2
3	---	0 B	0.031	0.001	0	0.018	0	0	0	0.027	0.018	---	3
4	---	0 B	0.040	0.001	0	0.018	0	0	0	0.018	0.014	---	4
5	---	0 B	0.020	0	0.027	0.015	0	0	0	0.016	0.018	---	5
6	---	0 B	0.003	0	0.020	0.014	0	0	0	0.014	0.0154	---	6
7	---	0 B	0	0	0.008	0.023	0	0	0	0.012	---	---	7
8	---	0 B	0.001	0	0.006	0.019	0	0	0	0.011	---	---	8
9	---	0 B	0.004	0	0.010	0.024	0	0	0	0.011	---	---	9
10	---	0 B	0.005	0	0.015	0.011	0	0	0	0.016	---	---	10
11	---	0 B	0.004	0	0.008	0.004	0	0	0	0.015	---	---	11
12	---	0 B	0.003	0	0.007	0.002	0	0	0	0.013	---	---	12
13	---	0 B	0.003	0	0.003	0.001	0	0	0	0.011	---	---	13
14	---	0 B	0.006	0	0.005	0	0	0	0	0.011	---	---	14
15	---	0 B	0.008	0.002	0.014	0.004	0	0	0	0.009	---	---	15
16	---	0 B	0.003	0.002	0.044	0.002	0	0	0	0.009	---	---	16
17	---	0 B	0.003	0.001	0.056	0.002	0	0	0	0.008	---	---	17
18	---	0 B	0.003	0	0.062	0.002	0	0	0	0.007	---	---	18
19	---	0 B	0.002	0	0.061	0.001	0	0	0	0.007	---	---	19
20	---	0 B	0.002	0	0.023	0	0	0	0	0.007	---	---	20
21	---	0 B	0.002	0	0.013	0	0	0	0	0.006	---	---	21
22	---	0 B	0.002	0	0.117	0	0.003	0	0	0.005	---	---	22
23	---	0 B	0.001	0	0.138	0	0	0	0	0.005	---	---	23
24	---	0.1008	0.001	0.001	0.076	0	0	0	0	0.004	---	---	24
25	---	0.2008	0.003	0.001	0.057	0	0	0	1.23	0.004	---	---	25
26	---	0.1228	0.004	0	0.050	0	0	0	0.387	0.004	---	---	26
27	---	0.059	0.023	0.001	0.043	0	0	0	0.054	0.004	---	---	27
28	---	0.033	0.010	0	0.037	0	0	0	0.027	0.004	---	---	28
29	0B		0.006	0	0.033	0	0	0	0.021	0.004	---	---	29
30	0B		0.002	0	0.030	0	0	0	0.018	0.007	---	---	30
31	0B		0.003		0.026		0	0		0.010		---	31
TOTAL	---	0.514	0.242	0.014	0.947	0.198	0.003	0	1.747	0.322	---	---	TOTAL
MEAN	---	0.018	0.008	0	0.032	0.007	0	0	0.058	0.010	---	---	MEAN
MAX	---	0.200	0.040	0.003	0.138	0.024	0.003	0	1.23	0.027	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0.004	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.015
MAXIMUM DAILY, 1.23 ON SEP 25
MINIMUM DAILY, 0B ON FEB 1
MAXIMUM INSTANTANEOUS,
2.01 AT 07 57 MST ON SEP 25

SUMMARY FOR THE MONTHS FEB TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 47 40 N
LONG 110 11 03 W
DRAINAGE AREA, 20.5 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.26
FEB	44.4	AUG	0
MAR	20.9	SEP	151
APR	1.21	OCT	27.8
MAY	85.3	NOV	---
JUN	17.1	DEC	---

TOTAL DISCHARGE, 348 dam³

MCGILLIVRAY CREEK NEAR COLEMAN - STATION NO. 05AA013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.498	4.40	0.413	0.112	0.103	0.168	0.091	---	1
2	---	---	---	---	0.539	3.61	0.401	0.111	0.093	0.160	0.116	---	2
3	---	---	---	---	0.800	3.09	0.417	0.107	0.087	0.150	0.108	---	3
4	---	---	---	---	1.42	2.33	0.421	0.107	0.085	0.188	0.1078	---	4
5	---	---	---	---	1.46	1.87	0.406	0.103	0.093	0.188	---	---	5
6	---	---	---	---	1.37	1.88	0.371	0.101	0.091	0.211	---	---	6
7	---	---	---	---	1.32	1.66	0.343	0.092	0.088	0.214	---	---	7
8	---	---	---	---	1.38	1.50	0.332	0.091	0.093	0.217	---	---	8
9	---	---	---	---	1.44	1.26	0.258	0.095	0.114	0.199	---	---	9
10	---	---	---	---	1.52	1.15	0.235	0.090	0.107	0.202	---	---	10
11	---	---	---	---	1.55	1.24	0.226	0.087	0.119	0.184	---	---	11
12	---	---	---	---	1.51	1.13	0.226	0.088	0.108	0.188	---	---	12
13	---	---	---	---	1.58	0.917	0.213	0.093	0.103	0.179	---	---	13
14	---	---	---	---	1.54	0.890	0.201	0.090	0.088	0.167	---	---	14
15	---	---	---	---	1.50	0.971	0.191	0.087	0.100	0.159	---	---	15
16	---	---	---	---	1.50	0.804	0.195	0.091	0.101	0.154	---	---	16
17	---	---	---	---	1.65	0.696	0.205	0.093	0.103	0.150	---	---	17
18	---	---	---	---	1.95	0.730	0.188	0.088	0.102	0.147	---	---	18
19	---	---	---	---	2.89	0.886	0.178	0.086	0.105	0.142	---	---	19
20	---	---	---	---	3.48	0.801	0.170	0.088	0.104	0.134	---	---	20
21	---	---	---	---	4.98	0.575	0.165	0.084	0.099	0.125	---	---	21
22	---	---	---	1.71 A	3.23	0.528	0.162	0.085	0.095	0.126	---	---	22
23	---	---	---	1.21	2.72	0.515	0.149	0.082	0.095	0.121	---	---	23
24	---	---	---	0.846	2.33	0.526	0.148	0.081	0.097	0.113	---	---	24
25	---	---	---	0.709	2.55	0.520	0.147	0.081	0.109	0.109	---	---	25
26	---	---	---	0.604	3.78	0.483	0.140	0.077	0.141	0.111	---	---	26
27	---	---	---	0.568	6.73	0.454	0.137	0.073	0.130	0.122	---	---	27
28	---	---	---	0.549	5.18	0.446	0.130	0.073	0.122	0.117	---	---	28
29	---		---	0.524	5.12	0.500	0.124	0.070	0.116	0.113	---	---	29
30	---		---	0.515	5.01	0.443	0.118	0.109	0.128	0.115	---	---	30
31	---		---		4.65		0.115	0.119		0.078		---	31
TOTAL	---	---	---	---	77.087	35.415	7.124	2.834	3.130	4.721	---	---	TOTAL
MEAN	---	---	---	---	2.48	1.21	0.230	0.091	0.104	0.152	---	---	MEAN
MAX	---	---	---	---	6.73	4.40	0.421	0.119	0.141	0.217	---	---	MAX
MIN	---	---	---	---	0.498	0.443	0.115	0.070	0.085	0.078	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.714
MAXIMUM DAILY, 6.73 ON MAY 27
MINIMUM DAILY, 0.070 ON AUG 29
MAXIMUM INSTANTANEOUS,
8.21 AT 23 46 MST ON MAY 27

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 38 04 N
LONG 114 31 13 W
DRAINAGE AREA, 32.6 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	616
FEB	---	AUG	245
MAR	---	SEP	270
APR	---	OCT	408
MAY	6 880	NOV	---
JUN	3 150	DEC	---

TOTAL DISCHARGE, 11 300 dam³

MCGREGOR LAKE INFLOW NEAR MILO - STATION NO. 05AC024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	23.4	34.2	32.9	33.2	30.8	0.645	---	---	1
2	---	---	---	0	26.7	33.8	33.7	33.0	30.9	0.567	---	---	2
3	---	---	---	0	26.4	34.5	33.4	32.8	31.0	0.511	---	---	3
4	---	---	---	0	23.8	35.5	32.9	31.6	31.0	0.522	---	---	4
5	---	---	---	0	23.8	35.4	33.7	32.0	31.0	0.444	---	---	5
6	---	---	---	0	26.5	35.5	34.3	31.9	31.1	0.441	---	---	6
7	---	---	---	0	27.7	35.5	33.4	32.0	31.2	0.421	---	---	7
8	---	---	---	0	29.6	35.1	32.9	31.5	31.1	0.346	---	---	8
9	---	---	---	0	30.6	34.8	32.7	31.6	29.1	0.398	---	---	9
10	---	---	---	0	30.7	34.4	32.1	31.7	24.8	0.340	---	---	10
11	---	---	---	0	30.8	34.2	33.1	31.4	17.9	0.287	---	---	11
12	---	---	---	0	30.8	33.8	34.2	31.3	11.9	0.329	---	---	12
13	---	---	---	0	31.3	32.9	34.6	31.4	8.25	0.224	---	---	13
14	---	---	---	0	34.3	33.4	34.8	31.2	8.14	0.332	---	---	14
15	---	---	---	0	35.1	34.1	33.9	31.1	8.12	0.334	---	---	15
16	---	---	---	0	33.7	34.1	33.6	31.4	7.18	0.300	---	---	16
17	---	---	---	0	32.2	34.1	33.6	31.4	6.60	0.230	---	---	17
18	---	---	---	0	31.7	35.3	34.3	31.2	6.56	0.104	---	---	18
19	---	---	---	0	31.6	35.2	34.3	31.0	6.70	0.024	---	---	19
20	---	---	---	0	31.8	35.2	34.1	30.6	6.74	0.002	---	---	20
21	---	---	---	0	33.0	35.1	33.3	30.2	6.76	0.042	---	---	21
22	---	---	---	0	31.1	35.3	32.9	30.3	6.71	0	---	---	22
23	---	---	---	0	27.5	35.0	35.5	30.4	6.55	0	---	---	23
24	---	---	0A	0	26.5	34.2	34.9	30.5	6.64	0	---	---	24
25	---	---	0	0	26.2	33.5	33.4	30.5	7.86	0	---	---	25
26	---	---	0	7.53	25.7	33.4	33.6	30.4	8.16	0	---	---	26
27	---	---	0	9.41	26.0	33.9	34.3	30.5	4.28	0	---	---	27
28	---	---	0	9.49	27.1	34.6	33.9	30.5	1.07	0	---	---	28
29	---		0	14.5	27.6	35.4	33.7	30.4	0.777	0	---	---	29
30	---		0	18.3	28.5	33.8	33.8	30.6	0.692	0 A	---	---	30
31	---		0		32.6		33.6	30.9		0 E		---	31
TOTAL	---	---	---	59.23	904.3	1 035.2	1 046.6	956.5	439.509	6.843	---	---	TOTAL
MEAN	---	---	---	1.97	29.2	34.5	33.7	31.2	14.7	0.221	---	---	MEAN
MAX	---	---	---	18.3	35.1	35.5	35.5	33.2	31.2	0.645	---	---	MAX
MIN	---	---	---	0	23.4	32.9	32.1	30.2	0.692	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 35.5 ON JUN 4
MINIMUM DAILY, 0 ON APR 1

SUMMARY FOR THE MONTHS APR TO NOV

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 35 20 N
LONG 112 55 25 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1976

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	90 300
FEB	---	AUG	83 700
MAR	---	SEP	38 000
APR	5 120	OCT	591
MAY	78 100	NOV	---
JUN	89 400	DEC	---

MCGREGOR TRAVERS CANAL NEAR CHAMPION - STATION NO. 05AC025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	25.3	29.3	48.2	32.9	11.9	1.38	---	---	1
2	---	---	---	0	28.5	31.7	48.1	28.4	10.8	1.36	---	---	2
3	---	---	---	0	32.0	34.5	47.8	27.8	9.74	1.35	---	---	3
4	---	---	---	0	30.2	38.3	46.9	27.8	9.73	1.30	---	---	4
5	---	---	---	0	27.5	43.6	46.3	26.0	9.73	1.25	---	---	5
6	---	---	---	0	27.5	44.5	46.4	23.2	9.73	1.14	---	---	6
7	---	---	---	0	27.4	44.5	46.3	21.6	9.73	0.065	---	---	7
8	---	---	---	0	27.4	44.5	46.3	20.6	9.13	0	---	---	8
9	---	---	---	0	26.1	44.6	46.2	20.5	7.57	0	---	---	9
10	---	---	---	0	17.6	45.6	46.1	20.4	7.04	0	---	---	10
11	---	---	---	0	16.1	46.1	46.1	20.3	6.18	0	---	---	11
12	---	---	---	0	16.0	46.1	45.9	20.2	5.52	0	---	---	12
13	---	---	---	0	16.0	46.2	45.9	19.2	5.52	0	---	---	13
14	---	---	---	0	16.0	46.4	45.8	17.4	5.51	0	---	---	14
15	---	---	---	5.09	16.2	46.3	45.7	17.8	5.08	0	---	---	15
16	---	---	---	14.3	12.4	46.7	45.7	17.7	4.23	0	---	---	16
17	---	---	---	18.8	8.73	47.3	45.3	17.6	3.80	0	---	---	17
18	---	---	---	21.6	8.74	47.3	45.5	17.5	2.45	0	---	---	18
19	---	---	---	21.4	8.80	47.2	45.4	16.3	1.39	0	---	---	19
20	---	---	---	21.3	8.84	47.4	45.3	15.5	1.39	0	---	---	20
21	---	---	---	21.3	8.91	47.5	45.2	15.5	1.40	0	---	---	21
22	---	---	---	24.3	8.94	47.6	45.1	15.4	1.40	0	---	---	22
23	---	---	---	25.8	11.6	48.0	45.1	15.4	1.36	0	---	---	23
24	---	---	---	25.8	14.1	48.0	45.0	15.5	1.39	0	---	---	24
25	---	---	---	25.7	14.2	48.0	44.8	15.5	1.44	0	---	---	25
26	---	---	0A	25.6	15.8	47.9	43.1	15.5	1.36	0	---	---	26
27	---	---	0	25.5	16.5	48.2	42.7	15.5	1.37	0	---	---	27
28	---	---	0	25.5	22.2	48.3	40.4	14.8	1.38	0	---	---	28
29	---		0	25.4	24.2	48.2	35.3	12.1	1.38	0	---	---	29
30	---		0	25.4	25.7	48.3	34.1	11.5	1.38	0 A	---	---	30
31	---		0		25.8		34.2	11.7		0 E		---	31
TOTAL	---	---	---	352.89	588.26	1 349.3	1 380.1	588.5	150.14	7.855	---	---	TOTAL
MEAN	---	---	---	11.8	19.0	45.0	44.5	19.0	5.00	0.253	---	---	MEAN
MAX	---	---	---	25.8	32.0	48.3	48.2	32.9	11.9	1.39	---	---	MAX
MIN	---	---	---	0	8.73	29.3	34.1	11.5	1.36	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 20.6
MAXIMUM DAILY, 48.3 ON JUN 28
MINIMUM DAILY, 0 ON APR 1

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 15 15 N
LONG 112 49 00 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	118 000
FEB	---	AUG	50 800
MAR	---	SEP	13 000
APR	30 500	OCT	679
MAY	50 800	NOV	---
JUN	117 000	DEC	---

TOTAL DISCHARGE, 382 000 dam³

MCLEOD RIVER ABOVE EMBARRAS RIVER - STATION NO. 07AF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.88B	3.59B	2.77B	6.90B	14.5	57.4	23.3E	51.8	21.0	55.5	15.2 B	6.60B	1
2	6.07B	3.60B	2.82B	6.35B	13.4	61.1	19.8E	46.2	21.3	52.8	16.5 B	7.00B	2
3	6.28B	3.60B	2.95B	5.40B	12.9	52.7	20.5E	41.9	21.4	48.4	18.2	5.62B	3
4	5.94B	3.54B	3.43B	5.25B	15.9	44.9	22.5E	41.3	19.3	46.5	17.1	4.81B	4
5	4.36B	3.30B	3.38B	5.53B	26.3	40.1	29.0E	39.7	22.8	56.7	16.4	5.00B	5
6	3.37B	2.98B	3.14B	6.14B	36.2	38.6	41.0E	37.2	28.5	71.1	15.8	5.42B	6
7	3.17B	2.69B	2.84B	6.68B	42.7	38.6	46.5E	34.1	22.5	78.1	12.9 B	6.26B	7
8	3.63B	2.38B	3.45B	7.02B	43.9	37.1	47.7A	30.4	19.1	73.5	9.58B	6.99B	8
9	4.40B	2.22B	3.79B	6.95B	40.1	33.3	48.4	28.1	17.2	68.6	8.30B	7.34B	9
10	5.14B	2.06B	4.33B	6.75B	38.5	30.2	51.9	26.1	15.9	59.3	7.40B	7.31B	10
11	5.38B	1.97B	4.95B	6.45B	36.1	29.8	47.8	24.5	17.2	53.6	7.00B	7.30B	11
12	5.36B	1.98B	4.80B	6.10B	32.6	33.3	41.6	25.2	23.7	49.3	7.15B	6.53B	12
13	5.65B	2.19B	4.22B	5.80B	29.2	29.6	39.8	28.1	23.5	45.2	7.35B	6.22B	13
14	5.65B	2.37B	3.92B	5.20B	27.7	26.4	39.0	24.7	22.4	42.0	7.55B	6.12B	14
15	5.74B	2.63B	3.91B	5.10B	25.7	27.4	38.7	21.7	20.8	39.1	7.85B	5.85B	15
16	5.81B	2.71B	3.72B	5.35B	24.1	32.8	56.8	19.5	21.2	36.5	7.90B	5.63B	16
17	5.74B	2.73B	3.60B	5.85B	25.4	29.7	201	18.1	21.1	34.1	7.95B	5.70B	17
18	5.43B	2.74B	3.66B	6.50B	31.5	27.0	502	17.0	20.7	31.8	8.00B	5.51B	18
19	5.07B	2.72B	3.64B	7.40B	35.8	26.5	474	16.5	19.7	29.9	8.05B	5.41B	19
20	4.70B	2.73B	3.80B	8.83B	38.0	28.7	289	17.4	18.5	28.1	8.10B	5.07B	20
21	4.36B	2.71B	3.89B	13.9 B	42.8	25.4	208	16.6	17.5	26.8	8.20B	4.59B	21
22	3.89B	2.61B	4.14B	22.2 B	46.6	21.8	156	15.2	16.5	25.6	8.55B	4.64B	22
23	3.47B	2.53B	4.33B	23.1 B	47.9	18.8	140	15.6	15.2	24.0	8.80B	5.04B	23
24	3.28B	2.43B	4.48B	22.2 B	51.3	19.1	142	16.7	14.7	22.9	9.15B	5.08B	24
25	2.96B	2.41B	4.54B	19.5	51.4	18.8	116	17.3	14.7	21.9	9.20B	5.21B	26
26	2.83B	2.56B	4.37B	18.2	59.3	17.6	88.5	17.0	27.0	21.3	8.83B	5.33B	26
27	2.95B	2.53B	4.63B	16.5	80.0	15.6	90.2	17.6	50.5	20.7	8.71B	5.33B	27
28	3.11B	2.44B	5.20B	16.5	88.3	14.7	76.3	18.6	48.8	20.9	7.83B	5.34B	28
29	3.19B		5.80B	16.3	84.7	17.0E	68.7	19.3	45.6	20.8	6.47B	5.06B	29
30	3.37B		6.75B	16.1	82.2	21.5E	58.3	19.9	49.1	19.6	5.93B	4.84B	30
31	3.51B		7.40B		74.7		59.6	20.4		17.6B		4.92B	31
TOTAL	139.71	74.86	128.46	310.05	1 300.0	926.7	3 302.9	783.8	717.5	1 242.3	296.05	177.29	TOTAL
MEAN	4.51	2.68	4.14	10.3	41.9	30.9	107	25.3	23.9	40.1	9.87	5.72	MEAN
MAX	6.28	3.60	7.40	23.1	88.3	67.4	502	51.8	50.5	78.1	18.2	7.34	MAX
MIN	2.83	1.97	2.77	5.10	12.9	14.7	19.8	15.2	14.7	17.6	5.93	4.59	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 25.8
MAXIMUM DAILY, 502 ON JUL 18
MINIMUM DAILY, 1.97B ON FEB 11
MAXIMUM INSTANTANEOUS,
624 AT 20:23 MST ON JUL 18

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 28 12 N
LONG 116 37 45 W
DRAINAGE AREA, 2 560 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	12 100	JUL	285 000
FEB	6 480	AUG	67 700
MAR	11 100	SEP	62 000
APR	26 800	OCT	107 000
MAY	112 000	NOV	25 600
JUN	80 100	DEC	15 300

TOTAL DISCHARGE, 811 000 dam³

MCLEOD RIVER NEAR CADOMIN - STATION NO 07AF013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.45 B	1.51 B	1.01	24.5	9.80	9.02	3.69E	5.64	4.02	---	1
2	---	---	1.32 B	1.50 B	1.01	22.7	10.8	8.33	3.70E	5.38	3.30	---	2
3	---	---	0.934B	1.51 B	1.84	16.8	9.76	7.95	3.75E	5.41	3.03	---	3
4	---	---	1.15 B	1.55 B	2.72	14.4	9.30	7.54	3.84E	7.52	2.83A	---	4
5	---	---	0.471B	1.65 B	3.01	13.7	12.3	7.42	3.93E	11.3	---	---	5
6	---	---	0.520B	1.85 B	3.57	13.1	14.2	7.42	3.91E	18.0	---	---	6
7	---	---	0.650B	2.00 B	4.18	11.8	16.8	6.81	3.80E	15.6	---	---	7
8	---	---	0.850B	2.20 B	4.13	11.6	12.5	6.69	3.70E	13.8	---	---	8
9	---	---	1.10 B	2.30	3.84	10.4	12.8	6.50	3.63A	11.6	---	---	9
10	---	---	1.40 B	1.25	3.44	9.74	13.1	6.20	3.72	10.2	---	---	10
11	---	---	1.27 B	1.05	3.14	11.3	11.0	5.83	4.63	9.12	---	---	11
12	---	---	1.16 B	1.18	2.99	9.55	9.72	7.20	4.51	8.45	---	---	12
13	---	---	1.12 B	2.12	2.79	8.93	9.24	6.72	4.25	7.82	---	---	13
14	---	---	1.04 B	1.52	2.43	8.47	8.41	6.34	4.13	7.29	---	---	14
15	---	---	0.970B	0.868	2.13	12.8	10.9	5.93	4.26	6.56	---	---	15
16	---	---	0.880B	0.719	2.34	9.50	26.4	5.84	4.34	5.79	---	---	16
17	---	---	0.830B	0.684	3.28	8.66	49.1	5.22	4.41	6.48	---	---	17
18	---	---	0.750B	0.712	4.15	10.5	62.6	5.05	4.38	6.15	---	---	18
19	---	---	0.720B	0.764	5.51	9.36	50.1	5.01	4.23	5.82	---	---	19
20	---	---	0.670B	1.72	7.23	7.24	42.2	4.84	4.12	5.49	---	---	20
21	---	---	0.630B	2.85	7.47	6.37	32.4	4.64	4.20	5.22	---	---	21
22	---	---	0.590B	2.80	5.80	5.88	25.7	4.45	4.16	4.89	---	---	22
23	---	---	0.600B	1.56	5.61	6.16	26.6	4.31	4.17	4.64	---	---	23
24	---	---	0.610B	1.22	6.26	8.19	24.6	4.18	4.20	4.47	---	---	24
25	---	---	0.650B	1.23	9.85	7.81	18.9	4.32	4.61	4.31	---	---	25
26	---	---	0.793B	1.22	19.6	6.57	16.6	4.12	5.69	4.18	---	---	26
27	---	0.790B	1.30 B	1.49	40.1	6.52	14.1	3.95	5.38	4.14	---	---	27
28	---	0.888B	1.70 B	1.33	27.7	6.18	12.4	3.85	5.23	3.82	---	---	28
29	---		1.85 B	1.24	32.0	10.8	12.0	3.77	5.32	3.85	---	---	29
30	---		1.80 B	1.19	30.4	16.1	11.0	3.72A	5.71	3.39	---	---	30
31	---		1.57 B		26.9		9.87	3.70E		3.11	---	---	31
TOTAL	---	---	30.978	44.585	276.00	325.43	507.00	177.77	129.82	220.74	---	---	TOTAL
MEAN	---	---	0.999	1.49	8.90	10.8	16.6	5.73	4.33	7.12	---	---	MEAN
MAX	---	---	1.70	2.85	40.1	24.5	62.6	9.02	5.71	18.0	---	---	MAX
MIN	---	---	0.471	0.684	1.01	5.88	8.41	3.70	3.63	3.11	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.40
MAXIMUM DAILY, 62.6 ON JUL 18
MINIMUM DAILY, 0.471B ON MAR 5
MAXIMUM INSTANTANEOUS,
70.8 AT 22:51 MST ON JUL 17

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 04 44 N
LONG 117 11 50 W
DRAINAGE AREA, 3.31 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	52 400
FEB	---	AUG	15 400
MAR	2 680	SEP	11 200
APR	3 850	OCT	19 100
MAY	23 800	NOV	---
JUN	28 100	DEC	---

TOTAL DISCHARGE, 157 000 dam³

MCLEOD RIVER NEAR ROSEVEAR - STATION NO. 07AG007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	10.3 B	9.09B	8.08B	15.8B	64.5	107	48.4	140	22.0	185	34.6B	16.6B	1
2	11.3 B	9.65B	9.52B	15.5B	58.0	93.9	58.5	118	21.5	185	32.7B	16.6B	2
3	11.7 B	9.70B	9.25B	15.0B	52.9	84.4	51.3	102	21.3	170	37.6	17.5B	3
4	10.9 B	9.33B	9.90B	14.5B	55.4	72.4	49.4	91.6	22.5	149	36.8	16.6B	4
5	10.5 B	9.04B	7.69B	14.0B	74.3	63.2	54.7	90.1	26.6	141	34.6	15.7B	5
6	10.4 B	8.34B	7.54B	14.3B	105	58.1	76.6	85.6	43.0	142	33.6	14.9B	6
7	9.93B	8.37B	7.95B	14.5B	116	57.9	106	77.9	44.3	145	30.5B	14.7B	7
8	9.10B	8.11B	8.15B	15.0B	116	58.7	108	68.5	37.0	133	29.8B	15.0B	8
9	8.91B	7.46B	7.52B	15.0B	109	56.5	107	60.7	32.9	125	26.6B	15.9B	9
10	8.94B	7.00B	8.38B	14.5B	113	52.8	112	55.3	30.5	111	24.0B	16.3B	10
11	9.82B	7.26B	9.10B	13.8B	128	50.4	124	50.8	30.6	99.1	22.0B	16.4B	11
12	10.6 B	7.97B	9.89B	13.0B	125	52.3	111	47.9	35.2	88.5	20.0B	16.1B	12
13	11.1 B	8.06B	11.1 B	11.8B	110	57.6	116	53.0	46.2	81.9	20.7B	15.7B	13
14	11.4 B	8.13B	10.8 B	11.5B	96.7	50.7	149	51.8	47.0	75.7	20.9B	15.2B	14
15	11.7 B	7.96B	10.3 B	11.3B	93.0	49.1	159	45.6	44.4	70.6	21.5B	15.1B	15
16	11.7 B	8.33B	10.0 B	10.9B	92.7	51.6	183	41.1	41.8	65.2	21.7B	15.2B	16
17	11.8 B	8.64B	9.65B	12.5B	95.5	78.6	441	37.8	41.4	62.5	21.7B	15.2B	17
18	11.8 B	8.54B	9.15B	14.5B	101	72.0	1 610	35.4	41.6	59.0	21.6B	14.6B	18
19	11.8 B	8.63B	9.08B	17.7B	100	70.5	1 790	33.5	40.6	55.8	21.9B	14.2B	19
20	11.2 B	8.53B	9.29B	20.4B	95.5	72.3	856	32.5	38.4	52.9	22.1B	13.6B	20
21	10.1 B	8.58B	10.5 B	30.7B	94.0	70.9	533	32.5	35.9	50.8	22.9B	12.9B	21
22	9.09B	8.38B	12.0 B	30.0B	110	58.7	381	30.9	34.0	48.6	24.0B	12.5B	22
23	8.43B	8.50B	12.8 B	28.7B	138	50.0	315	29.0	32.6	46.7	24.1B	11.9B	23
24	7.97B	8.57B	12.6 B	28.0B	154	45.7	284	27.7	31.4	44.6	24.4B	12.1B	24
25	7.51B	8.76B	11.8 B	31.0B	142	42.0	254	26.8	31.8	42.9	22.5B	12.4B	25
26	6.83B	8.96B	11.0 B	40.9B	130	39.9	210	26.1	39.1	41.7	23.4B	12.4B	26
27	7.15B	8.65B	11.3 B	50.4	133	36.4	200	26.0	116	40.7	21.5B	12.4B	27
28	7.66B	8.02B	12.0 B	48.0	146	32.8	178	25.4	157	40.3	20.9B	12.3B	28
29	8.17B		13.0 B	53.3	136	31.0	159	24.2	156	41.0	19.3B	12.2B	29
30	8.37B		14.5 B	62.5	130	32.9	175	23.3	154	38.9	17.5B	12.0B	30
31	8.67B		15.6 B		118		166	22.3		37.7B		11.7B	31
TOTAL	305.15	236.60	319.42	690.0	3 332.1	1 761.3	9 188.9	1 813.5	1 496.6	2 684.3	755.4	445.9	TOTAL
MEAN	9.84	8.45	10.3	23.0	107	58.7	296	52.0	49.9	86.6	25.2	14.4	MEAN
MAX	11.8	9.70	15.5	62.5	154	107	1 790	140	157	195	37.6	17.5	MAX
MIN	6.83	7.00	7.52	10.9	52.9	31.0	48.4	22.3	21.3	37.7	17.5	11.7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 62.5
MAXIMUM DAILY, 1 790 ON JUL 18
MINIMUM DAILY, 6.83B ON JAN 26
MAXIMUM INSTANTANEOUS,
2 300 AT 23:48 MST ON JUL 18

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 41 49 N
LONG 118 09 42 W
DRAINAGE AREA, 7 150 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	26 400	JUL	794 000
FEB	20 400	AUG	139 000
MAR	27 600	SEP	129 000
APR	59 600	OCT	232 000
MAY	288 000	NOV	65 300
JUN	152 000	DEC	38 500

TOTAL DISCHARGE, 1 970 000 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS DERIVED FROM HIGH WATER MARK

MCLEOD RIVER NEAR WHITECOURT - STATION NO 07AG004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	11.7 B	38.0B	94.8E	119	42.1	171	22.6	180	41.9	---	1
2	---	---	11.9 B	38.3B	101 E	107	61.9	145	22.3	230	35.7	---	2
3	---	---	12.0 B	38.6B	107 E	98.8	64.8	125	21.8	217	37.7	---	3
4	---	---	11.9 B	39.2B	112 E	90.8	60.1	113	21.4	188	43.9	---	4
5	---	---	11.7 B	37.9B	118 E	80.1	60.4	105	22.7	169	42.4A	---	5
6	---	---	11.4 B	36.4B	124 E	70.9	68.9	105	26.9	186	---	---	6
7	---	---	10.2 B	35.7B	130 A	68.7	100	97.5	48.9	167	---	---	7
8	---	---	9.49B	42.3B	137	68.7	117	89.1	47.6	162	---	---	8
9	---	---	9.49B	51.3B	135	68.8	118	79.7	39.9	149	---	---	9
10	---	---	9.70B	53.3B	129	64.7	121	72.3	35.6	139	---	---	10
11	---	---	9.50B	60.7B	139	59.5	134	65.9	33.9	125	---	---	11
12	---	---	9.52B	66.1B	148	57.5	141	61.2	34.4	114	---	---	12
13	---	---	9.57B	66.6B	137	58.8	138	58.0	40.2	106	---	---	13
14	---	---	9.80B	64.8B	122	59.4	178	64.6	52.6	98.6	---	---	14
15	---	---	10.4 B	64.9B	112	65.5	198 A	59.0	52.2	90.5	---	---	15
16	---	---	10.7 B	56.3B	110	63.9	275 E	52.4	49.5	85.3	---	---	16
17	---	---	10.2 B	63.8B	111	82.1	435 E	47.4	46.7	81.1	---	---	17
18	---	---	9.90B	64.8B	113	88.0	650 E	43.6	45.6	78.8	---	---	18
19	---	---	10.2 B	65.0B	116	86.4	1 650 E	40.8	45.7	71.2	---	---	19
20	---	---	10.6 B	64.0E	113	90.1	1 040 A	38.0	44.5	67.0	---	---	20
21	---	---	11.9 B	64.0E	108	89.4	689 A	36.5	41.8	64.3	---	---	21
22	---	---	14.1 B	64.5E	116	83.6	516 A	36.4	39.1	61.3	---	---	22
23	---	---	16.6 B	65.0E	141	71.8	393	33.6	37.1	58.8	---	---	23
24	---	---	18.1 B	66.0E	167	62.8	364 A	31.8	35.3	55.4	---	---	24
25	---	---	18.3 B	67.0E	159	57.6	331 E	29.8	34.2	52.9	---	---	25
26	---	---	17.4 B	68.0E	145	52.6	308 E	28.4	37.3	51.0	---	---	26
27	---	---	18.6 B	71.5E	138	49.9	285 E	27.1	59.1	49.4	---	---	27
28	---	---	22.2 B	77.5E	147	45.7	263 E	26.8	181	47.9	---	---	28
29	---		31.4 B	83.0E	149	40.6	240 E	26.3	173	46.8	---	---	29
30	---		38.6 B	89.1E	142	38.4	217 E	24.9	166	47.8	---	---	30
31	---		38.2 B		131		205 A	23.8		45.2	---	---	31
TOTAL	---	---	455.27	1 767.7	3 851.0	2 132.4	9 654.2	1 858.9	1 538.9	3 262.4	---	---	TOTAL
MEAN	---	---	14.7	58.9	127	71.1	311	63.2	51.3	105	---	---	MEAN
MAX	---	---	38.6	89.1	167	119	1 650	171	173	230	---	---	MAX
MIN	---	---	9.49	35.7	94.9	39.4	42.1	23.8	21.4	45.2	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 101
MAXIMUM DAILY, 1 650E ON JUL 19
MINIMUM DAILY, 9.49B ON MAR 8
MAXIMUM INSTANTANEOUS,
2 020 AT 17:45 MST ON JUL 19

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 00 46 N
LONG 115 50 18 W
DRAINAGE AREA, 9 100 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	834 000
FEB	---	AUG	169 000
MAR	39 300	SEP	133 000
APR	153 000	OCT	282 000
MAY	341 000	NOV	---
JUN	184 000	DEC	---

TOTAL DISCHARGE, 2 140 000 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS DERIVED FROM HIGH WATER MARK. TIME NOTED BY FARMER

MEADOW CREEK NEAR THE MOUTH - STATION NO. 05AB029

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.337	0.077	0.019	0.095	0.024	0.001	0	0.011	0.0188	---	1
2	---	---	0.184	0.071	0.022	0.080	0.024	0	0	0.011	0.018	---	2
3	---	---	0.149	0.084	0.033	0.073	0.019	0	0	0.018	0.023A	---	3
4	---	---	0.134	0.058	0.073	0.072	0.016	0	0	0.016	---	---	4
5	---	---	0.125	0.054	0.141	0.078	0.017	0	0	0.013	---	---	5
6	---	---	0.126	0.051	0.137	0.075	0.023	0	0	0.009	---	---	6
7	---	---	0.144	0.044	0.108	0.072	0.022	0	0	0.007	---	---	7
8	---	---	0.159	0.043	0.094	0.070	0.019	0	0	0.008	---	---	8
9	---	---	0.138	0.040	0.089	0.072	0.018	0	0	0.009	---	---	9
10	---	---	0.118	0.040	0.084	0.065	0.016	0	0	0.015	---	---	10
11	---	---	0.110	0.0468	0.095	0.055	0.013	0	0	0.014	---	---	11
12	---	---	0.104	0.0598	0.095	0.050	0.008	0	0	0.018	---	---	12
13	---	---	0.102	0.0528	0.088	0.048	0.008	0	0.002	0.015	---	---	13
14	---	---	0.098	0.0608	0.087	0.051	0.007	0	0.007	0.013	---	---	14
15	---	---	0.095	0.063	0.095	0.058	0.007	0	0.011	0.012	---	---	15
16	---	---	0.097	0.054	0.113	0.053	0.005	0	0.013	0.011	---	---	16
17	---	---	0.097	0.046	0.108	0.048	0.004	0	0.015	0.011	---	---	17
18	---	---	0.094	0.037	0.099	0.045	0.016	0	0.016	0.011	---	---	18
19	---	---	0.087	0.034	0.088	0.040	0.014	0	0.016	0.010	---	---	19
20	---	---	0.086	0.026	0.087	0.036	0.010	0	0.021	0.010	---	---	20
21	---	---	0.087	0.019	0.090	0.034	0.007	0	0.021	0.010	---	---	21
22	---	---	0.089	0.016	0.116	0.032	0.002	0	0.019	0.011	---	---	22
23	---	---	0.088	0.021	0.137	0.029	0.001	0	0.013	0.011	---	---	23
24	---	0.077B	0.085	0.022	0.115	0.027	0.003	0	0.008	0.011	---	---	24
25	---	3.28 B	0.081	0.026	0.089	0.026	0.010	0	0.016	0.010	---	---	25
26	---	2.08 E	0.073	0.020	0.085	0.024	0.008	0	0.026	0.011	---	---	26
27	---	2.00 E	0.075	0.019	0.094	0.022	0.006	0	0.028	0.011	---	---	27
28	---	0.328A	0.079	0.025	0.099	0.021	0.009	0	0.020	0.010	---	---	28
29	---		0.090	0.017	0.095	0.022	0.009	0	0.017	0.010	---	---	29
30	---		0.081	0.013	0.094	0.025	0.003	0	0.014	0.014	---	---	30
31	---		0.078		0.098		0.002	0		0.0158		---	31
TOTAL	---	---	3.488	1.217	2.890	1.494	0.350	0.001	0.283	0.364	---	---	TOTAL
MEAN	---	---	0.113	0.041	0.093	0.050	0.011	0	0.009	0.012	---	---	MEAN
MAX	---	---	0.337	0.077	0.141	0.095	0.024	0.001	0.028	0.018	---	---	MAX
MIN	---	---	0.073	0.013	0.019	0.021	0.001	0	0	0.007	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.041
MAXIMUM DAILY, 0.337 ON MAR 1
MINIMUM DAILY, 0 ON AUG 2
MAXIMUM INSTANTANEOUS,
0.832 AT 09:50 MST ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 57 15 N
LONG 113 39 43 W
DRAINAGE AREA, 130 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	30 2
FEB	---	AUG	0 09
MAR	301	SEP	24 5
APR	105	OCT	31 4
MAY	250	NOV	---
JUN	129	DEC	---

TOTAL DISCHARGE, 871 dam³

REMARKS - FLOW WAS HIGHER UNDER ICE CONDITIONS ON FEB 24 THAN THE MAXIMUM INSTANTANEOUS DISCHARGE

MEANDER RIVER AT OUTLET HUTCH LAKE - STATION NO 07OB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0028	0.0028	1.85	2.28	4.75	2.33	0.319	0.226	---	---	1
2	---	---	0.0028	0.0048	2.59	2.46	4.50	2.25	0.298	0.253	---	---	2
3	---	---	0.0028	0.0078	3.76	2.37	4.30	2.12	0.318	0.222	---	---	3
4	---	---	0.0038	0.0108	3.91	2.20	4.09	1.88	0.283	0.207	---	---	4
5	---	---	0.0038	0.0188	3.74	2.04	3.95	1.66	0.245	0.199	---	---	5
6	---	---	0.0038	0.0228	3.58	1.83	3.67	1.49	0.230	0.197	---	---	6
7	---	---	0.0038	0.0308	3.46	1.78	3.32	1.33	0.190	0.214	---	---	7
8	---	---	0.0038	0.0338	3.42	1.60	2.95	1.18	0.173	0.235	---	---	8
9	---	---	0.0038	0.023A	3.84	1.54	2.58	1.07	0.147	0.210	---	---	9
10	---	---	0.0038	0.021E	4.25	1.39	2.33	0.967	0.125	0.278	---	---	10
11	---	---	0.0038	0.019E	4.59	1.25	2.16	0.838	0.132	0.286	---	---	11
12	---	---	0.0028	0.018E	4.57	1.20	2.31	0.743	0.152	0.251	---	---	12
13	---	---	0.0028	0.018E	4.42	1.14	2.81	0.690	0.127	0.244	---	---	13
14	---	---	0.0018	0.019E	4.11	1.08	3.58	0.637	0.125	0.230	---	---	14
15	---	---	0.0018	0.020E	3.73	1.03	3.74	0.612	0.109	0.205	---	---	15
16	---	---	0.0018	0.049A	3.47	0.988	3.55	0.575	0.089	0.191	---	---	16
17	---	---	0.0018	0.039	3.06	0.813	3.13	0.552	0.114	0.158	---	---	17
18	---	0.004B	0.0018	0.054	2.82	0.845	2.68	0.533	0.104	0.181	---	---	18
19	---	0.004B	0.0018	0.081	2.63	0.825	2.33	0.452	0.084	0.185	---	---	19
20	---	0.004B	0.0018	0.091	2.48	1.62	1.95	0.354	0.095	0.174	---	---	20
21	---	0.004B	0.0018	0.092	2.41	4.30	1.71	0.183	0.102	0.169	---	---	21
22	---	0.003B	0.0018	0.095	2.49	5.61	1.98	0.071	0.124	0.194	---	---	22
23	---	0.003B	0.0018	0.112	2.65	7.95	2.23	0.060	0.179	0.187	---	---	23
24	---	0.003B	0.0028	0.136	2.81	7.96	2.23	0.136	0.183	0.197	---	---	24
25	---	0.002B	0.0038	0.154	2.78	7.48	2.17	0.238	0.198	0.235	---	---	25
26	---	0.002B	0.0038	0.174	2.69	6.96	2.11	0.204	0.195	0.213	---	---	26
27	---	0.002B	0.0038	0.192	2.65	6.50	1.91	0.246	0.217	0.300A	---	---	27
28	---	0.002B	0.0038	0.234	2.57	6.07	1.72	0.291	0.204	0.350E	---	---	28
29	---		0.0038	0.396	2.41	5.63	1.78	0.283	0.218	0.320E	---	---	29
30	---		0.0038	0.893	2.34	5.22	2.13	0.262	0.224	0.285E	---	---	30
31	---		0.0028		2.37		2.35	0.322		0.270E		---	31
TOTAL	---	---	0.086	3.157	98.42	95.071	87.00	24.549	5.319	7.087	---	---	TOTAL
MEAN	---	---	0.002	0.105	3.17	3.17	2.81	0.792	0.177	0.229	---	---	MEAN
MAX	---	---	0.003	0.893	4.59	7.96	4.75	2.33	0.319	0.350	---	---	MAX
MIN	---	---	0.001	0.002	1.85	0.825	1.71	0.050	0.094	0.158	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.31
MAXIMUM DAILY, 7.96 ON JUN 24
MINIMUM DAILY, 0.001B ON MAR 14
MAXIMUM INSTANTANEOUS,
8.31 AT 07:00 MST ON JUN 23

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 48 15 N
LONG 117 23 05 W
DRAINAGE AREA, 507 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7 520
FEB	---	AUG	2 120
MAR	5 70	SEP	460
APR	273	OCT	612
MAY	8 500	NOV	---
JUN	8 210	DEC	---

TOTAL DISCHARGE, 27 700 dam³

MEDICINE RIVER NEAR ECHVILLE - STATION NO. 05CC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2885	0.2720	4.000	6.005	4.95	3.20 A	0.624	1.57 A	0.7095	11.6 A	1.65	0.5400	1
2	0.2885	0.2720	5.000	5.330	5.05	2.64 A	0.614	1.19 A	0.7546	12.1 A	1.89	0.5100	2
3	0.2885	0.2720	10.00 B	3.618	5.21	2.26 A	0.653	5.62 A	0.8885	14.6 A	2.07	0.5900	3
4	0.2885	0.2720	14.00 B	3.605	5.11	2.01 A	0.722	4.53 A	1.01 A	13.7 A	1.93 A	0.5700	4
5	0.2885	0.2670	16.20 B	1.640	5.12	1.85	0.727	3.76 A	1.16 A	12.5 A	1.92 E	0.5500	5
6	0.2895	0.2620	12.00 B	2.170	7.15	1.79	0.715	3.31 A	1.28 A	11.3 A	1.89 E	0.6300	6
7	0.2895	0.2570	6.000	2.630	7.77	1.53	0.726	4.21 A	1.37 A	9.61	1.86 B	0.8100	7
8	0.2895	0.2520	5.500	2.42A	7.74	1.36	0.840	5.62 A	1.26 A	8.06	1.83 B	0.7900	8
9	0.2895	0.2470	4.800	2.26A	7.02	1.31	1.32	6.70 A	1.26 A	6.92	1.78 B	0.7700	9
10	0.2895	0.2420	4.200	2.10A	6.12	1.20	1.47	5.05 A	1.09 A	6.16	1.73 B	0.7500	10
11	0.2855	0.2370	3.630	2.06A	5.71	1.13	2.06	3.01 A	1.05 A	5.50	1.68 B	0.7300	11
12	0.2855	0.2320	2.400	2.12A	6.29	1.11	2.78	2.30 A	1.05 E	5.00	1.63 B	0.7000	12
13	0.2855	0.2270	3.420	1.86A	5.78	1.06	3.16	2.01 A	1.10 A	4.58	1.58 B	0.6700	13
14	0.2855	0.2220	4.350	1.58A	5.90	0.955	3.63	1.94 A	1.00 A	4.02	1.53 B	0.6400	14
15	0.2895	0.2170	6.010	1.57A	8.80	0.908	3.84	1.93 A	0.961A	3.71	1.48 B	0.6200	15
16	0.2895	0.2120	10.70 B	1.57A	15.7	0.908	4.17	1.86 A	1.34 A	3.40	1.43 B	0.5900	16
17	0.2895	0.2070	11.50 B	1.55A	22.6	0.934	12.3	1.85 A	1.48 A	3.15	1.39 B	0.5688	17
18	0.2895	0.2020	10.30 B	1.50A	34.0	1.33	45.6	2.27 A	1.76 A	2.97	1.34 B	0.5508	18
19	0.2895	0.2028	10.40 B	1.60A	43.0	2.59	74.9	1.39 A	1.85 A	2.74	1.30 B	0.5308	19
20	0.2880	0.2028	5.450	2.84A	51.0	2.14	178	1.18 A	1.86 A	2.57	1.26 B	0.5200	20
21	0.2868	0.2028	11.60 B	2.06A	45.5	1.78	161	0.963A	1.46 A	2.46	1.22 B	0.5150	21
22	0.2848	0.2028	11.90 B	1.85A	37.7	1.49	122	1.05 A	1.50 A	2.35	1.18 B	0.5108	22
23	0.2828	0.2028	10.50 B	1.78A	27.8	1.27	75.7	1.57 A	1.36 A	2.32	1.14 B	0.5058	23
24	0.2808	0.2028	8.650	1.76	24.9	1.11	48.7	0.851A	1.27 A	2.25	1.11 B	0.5008	24
25	0.2768	0.2108	7.350	1.90	18.9	1.05	33.4 A	0.8426	1.41 A	2.27	1.08 B	0.4958	25
26	0.2768	0.3008	5.280	2.11	13.8	0.959	17.3 A	0.5116	2.61 A	2.30	1.05 B	0.4900	26
27	0.2748	0.7008	5.180	2.06	11.0	0.784	12.6 A	0.7584	5.15 A	2.12	1.03 B	0.4850	27
28	0.2728	2.00 B	5.420	2.07	8.430	0.685	12.1 A	0.8784	10.5 A	2.07	1.01 B	0.4800	28
29	0.2728		5.680	2.31	6.564	0.651	10.3 A	0.6154	14.4 A	2.08	0.9900	0.4758	29
30	0.2728		5.940	2.73	5.476	0.632	9.55 A	0.6484	14.3 A	2.07	0.9700	0.4700	30
31	0.2728		6.430		4.316		8.27 A	0.6114		2.06		0.4660	31
TOTAL	8.822	8.783	244.29	69.86	471.13	42.736	853.815	53.405	78.980	188.63	44.230	15.918	TOTAL
MEAN	0.285	0.314	7.88	2.33	15.2	1.42	27.5	1.89	2.63	5.84	1.47	0.643	MEAN
MAX	0.289	2.00	16.2	6.00	51.0	3.20	161	8.57	14.4	14.6	2.07	0.940	MAX
MIN	0.272	0.202	2.40	1.50	4.31	0.632	0.614	0.511	0.706	2.06	0.970	0.466	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 5.74
MAXIMUM DAILY 161 ON JUL 21
MINIMUM DAILY 0.2028 ON FEB 16
MAXIMUM INSTANTANEOUS
208 AT 20 40 MST ON JUL 20

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 15 08 N
LONG 114 20 33 W
DRAINAGE AREA 1 510 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	762	JUL	73 800
FEB	760	AUG	7 210
MAR	21 100	SEP	6 820
APR	5 040	OCT	14 600
MAY	40 700	NOV	3 820
JUN	3 690	DEC	1 720

TOTAL DISCHARGE 181 000 dam³

MEETING CREEK NEAR DONALDA - STATION NO. 05FC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2.03 B	0.500	0.037	0.056	0 E	0.010	0	0.157	0.0258	---	1
2	---	---	3.63 B	0.362	0.047	0.045	0 E	0.005	0	0.148	0.0236	---	2
3	---	---	4.61 B	0.321	0.042	0.045	0 E	0.004	0	0.063	0.0216	---	3
4	---	---	4.36 B	0.241	0.050	0.047	0 E	0.320	0	0.053	0.0198	---	4
5	---	---	4.63 B	0.206	0.085	0.052	0 E	0.178	0	0.036	0.0178	---	5
6	---	---	3.03 B	0.226	0.083	0.050	0 E	0.076	0.001	0.015	0.015A	---	6
7	---	---	1.27 B	0.177	0.067	0.041	0 E	0.040	0.001	0.022	---	---	7
8	---	---	2.16 B	0.085	0.075	0.038	0 E	0.038	0.001	0.036	---	---	8
9	---	---	0.8780	0.123	0.085	0.030	0.0478	0.050	0	0.056	---	---	9
10	---	---	0.6800	0.125	0.082	0.024	0.0468	0.028	0	0.058	---	---	10
11	---	---	0.6880	0.148	0.093	0.018	0.0368	0.008	0.007	0.062	---	---	11
12	---	---	0.3868	0.135	0.080	0.008	0.0208	0.002	0.050	0.061	---	---	12
13	---	---	0.2538	0.134	0.085	0.008	0.0058	0	0.040	0.062	---	---	13
14	---	---	0.3868	0.131	1.11	0	0 A	0	0.033	0.052	---	---	14
15	---	---	0.3868	0.117	2.86	0	0	0	0.026	0.048	---	---	15
16	---	---	0.7638	0.108	3.56	0 A	0	0	0.021	0.052	---	---	16
17	---	---	1.11 B	0.121	1.45	0 E	0.184	0	0.013	0.050	---	---	17
18	---	---	0.5328	0.137	0.515	0 E	0.102	0	0.005	0.050	---	---	18
19	---	---	1.22 B	0.123	0.322	0 E	0.039	0	0.005	0.050	---	---	19
20	---	---	2.06 B	0.101	0.252	0 E	0.002	0	0.001	0.054	---	---	20
21	---	---	3.00 B	0.093	0.186	0 E	0	0	0	0.052	---	---	21
22	---	---	2.23 B	0.102	0.195	0 E	0	0	0	0.052	---	---	22
23	---	---	1.55 B	0.112	0.256	0 E	0	0	0	0.053	---	---	23
24	---	---	1.23 B	0.105	0.178	0 E	0	0	0	0.054	---	---	24
25	---	---	0.7388	0.082	0.151	0 E	0	0	0.008	0.051	---	---	25
26	---	---	0.8818	0.065	0.140	0 E	0	0	0.109	0.048	---	---	26
27	---	0 B	1.11 B	0.065	0.139	0 E	0	0	0.143	0.039	---	---	27
28	---	0.4100	1.19 B	0.039	0.091	0 E	0	0	0.076	0.035	---	---	28
29	---		1.30	0.044	0.041	0 E	0.051	0	0.041	0.036	---	---	29
30	---		1.01	0.047	0.067	0 E	0.064	0	0.087	0.032A	---	---	30
31	---		0.711		0.105		0.034	0		0.028E		---	31
TOTAL	---	---	90.176	4.357	12.640	0.468	0.608	0.757	0.672	1.581	---	---	TOTAL
MEAN	---	---	1.62	0.146	0.408	0.016	0.020	0.024	0.022	0.055	---	---	MEAN
MAX	---	---	4.61	0.500	3.56	0.056	0.184	0.320	0.143	0.157	---	---	MAX
MIN	---	---	0.353	0.039	0.037	0	0	0	0	0.019	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.291
MAXIMUM DAILY 4.610 ON MAR 3
MINIMUM DAILY 0.00 ON JUN 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 34 48 N
LONG 112 31 57 W
DRAINAGE AREA 472 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	32.5
FEB	---	AUG	95.4
MAR	4 340	SEP	58.1
APR	377	OCT	146
MAY	1 090	NOV	---
JUN	40.6	DEC	---

TOTAL DISCHARGE 6 170 dam³

MICHEL RESERVOIR NEAR ELKWATER - STATION NO. 11AB001

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	303.129E	304.488E	304.772A	304.742	304.742	304.685	304.634	304.531	304.786	---	---	1
2	---	303.129E	304.780E	304.769E	304.747	304.739	304.684	304.631	304.531	304.761	---	---	2
3	---	303.129E	304.880E	304.767E	304.750	304.726	304.675	304.630	304.526	304.755	---	---	3
4	---	303.129A	304.900E	304.766E	304.755	304.715	304.685	304.621	304.523	304.759	---	---	4
5	---	303.129E	304.860E	304.761E	304.765	304.706	304.652	304.627	304.518	304.758	---	---	5
6	---	303.129E	304.819A	304.759E	304.767	304.713	304.658	304.645	304.519	304.760	---	---	6
7	---	303.129E	304.820E	304.756A	304.765	304.735	304.651	304.653	304.515	304.756	---	---	7
8	---	303.130E	304.820E	304.756E	304.763	304.740	304.659	304.651	304.513	304.745	---	---	8
9	---	303.130E	304.821E	304.755E	304.762	304.744	304.658	304.640	304.522	304.761	---	---	9
10	---	303.130E	304.822E	304.755E	304.760	304.745	304.649	304.637	304.531	304.738	---	---	10
11	---	303.130E	304.823E	304.754E	304.755	304.740	304.649	304.635	304.529	304.724	---	---	11
12	---	303.130E	304.823E	304.754E	304.748	304.720	304.658	304.632	304.519	304.724	---	---	12
13	---	303.130E	304.824E	304.753E	304.743	304.718	304.670	304.628	304.514	304.729	---	---	13
14	---	303.131E	304.825E	304.753E	304.731	304.716	304.671	304.623	304.515	304.725	---	---	14
15	---	303.131E	304.826E	304.752E	304.731	304.729	304.664	304.618	304.516	304.730	---	---	15
16	---	303.131E	304.826E	304.752E	304.726	304.719	304.667	304.607	304.523	304.730	---	---	16
17	---	303.131E	304.827A	304.752E	304.747	304.720	304.685	304.605	304.523	304.731	---	---	17
18	---	303.131E	304.823E	304.751E	304.761	304.752	304.688	304.603	304.572	304.730	---	---	18
19	---	303.131E	304.820E	304.751E	304.817	304.737	304.666	304.581	304.529	304.730	---	---	19
20	---	303.131E	304.819E	304.750E	304.818	304.724	304.665	304.578	304.535	304.733	---	---	20
21	---	303.132E	304.812E	304.750E	304.807	304.718	304.664	304.574	304.543	304.733	---	---	21
22	---	303.132E	304.809E	304.750E	304.788	304.715	304.679	304.571	304.549	304.730	---	---	22
23	---	303.132E	304.805E	304.749E	304.777	304.711	304.673	304.570	304.549	304.728	---	---	23
24	---	303.122E	304.801E	304.749E	304.775	304.707	304.673	304.563	304.545	304.726	---	---	24
25	---	303.160A	304.796E	304.748E	304.773	304.700	304.670	304.557	304.540	304.720	---	---	25
26	---	303.502E	304.794E	304.748E	304.770	304.693	304.664	304.551	304.843	304.733	---	---	26
27	---	303.624E	304.790E	304.747E	304.765	304.690	304.661	304.546	304.808	304.730	---	---	27
28	---	304.146E	304.787E	304.747A	304.768	304.682	304.653	304.551	304.782	304.729A	---	---	28
29	---		304.783E	304.740	304.763	304.682	304.645	304.548	304.775	304.730E	---	---	29
30	---		304.779E	304.738	304.762	304.688	304.638	304.543	304.771	304.731E	---	---	30
31	---		304.776E		304.754		304.636	304.534		304.732E		---	31
MEAN	---	303.206	304.801	304.753	304.768	304.718	304.666	304.600	304.575	304.738	---	---	MEAN
MAX	---	304.146	304.900	304.772	304.818	304.752	304.688	304.653	304.843	304.768	---	---	MAX
MIN	---	303.129	304.488	304.738	304.726	304.682	304.636	304.534	304.513	304.724	---	---	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MAXIMUM DAILY, 304.900E ON MAR 4
MINIMUM DAILY, 303.129E ON FEB 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 31 34 N
LONG 110 22 07 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

DRAINAGE AREA
22.5 km²

WATER LEVELS ARE REFERRED TO PRAIRIE FARM REHABILITATION ADMINISTRATION DATUM

REMARKS - DATA BEFORE 1983 PUBLISHED UNDER THE NAME "MICHELE RESERVOIR NEAR ELKWATER"

MICHICHI CREEK AT DRUMHELLER - STATION NO. 05CE020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0270	0.050	0	0	0.004	0.031	0	1.43	0.0300	---	1
2	---	---	0.0470	0.050	0	0	0	0.010	0	0.851	0.030	---	2
3	---	---	0.2780	0.059	0	0	0	0.004	0	0.514	0.012	---	3
4	---	---	0.2520	0.045	0.010	0.175	0	0.002	0.132	0.330	---	---	4
5	---	---	0.3510	0.028	0.006	0.918	0.034	0.001	0	0.227	---	---	5
6	---	---	0.3130	0.035	0.056	0.004	0.004	0.004	0	0.225	---	---	6
7	---	---	0.2289	0.013	0.009	0.003	0.004	0.002	0	0.245	---	---	7
8	---	---	0.5309	0.000	0.005	1.35	0	0	0.051	0.225	---	---	8
9	---	---	0.5009	0.004	0.003	2.39	0.215	0	0.021	0.181	---	---	9
10	---	---	0.2490	0.003	0.004	0.493	0.047	0	0	0.105	---	---	10
11	---	---	0.1460	0.002	0.010	0.207	0.008	0	0	0.181	---	---	11
12	---	---	0.1978	0.0020	0.020	0.118	0	0.043	0.104	0.155	---	---	12
13	---	---	0.2018	0.0018	0.010	0.1126	0	0.004	0.083	0.136	---	---	13
14	---	---	0.2878	0 0	0.252	0.105	0.002	0	0.032	0.114	---	---	14
15	---	---	0.2060	0 0	0.239	0.078	0.003	0	0.003	0.097	---	---	15
16	---	---	0.247	0	0.057	0.030	0.003	0.020	0	0.082	---	---	16
17	---	---	0.631	0	0.116	0.020	0.605	0.015	0	0.021	---	---	17
18	---	---	0.505	0	0.071	0.018	0.147	0.005	0.042	0.058	---	---	18
19	---	---	0.362	0	0.050	0.024	0.130	0.002	0.005	0.050	---	---	19
20	---	---	0.384	0	0.036	0.014	0.110	0	0.043	0.055	---	---	20
21	---	---	0.169	0	0.015	0.009	0.090	0	0.012	0.046	---	---	21
22	---	---	0.240	0	0.024	0.006	0.358	0	0	0.053	---	---	22
23	---	---	0.234	0	0.026	0.005	0.063	0	0	0.053	---	---	23
24	---	0 0	0.134	0	0.017	0	0.007	0	0	0.0486	---	---	24
25	---	0.0309	0.144	0	0.011	0	0.002	0	2.06	0.0446	---	---	25
26	---	0.2099	0.151	0	0.007	0	0.001	0	0.850	0.039	---	---	26
27	---	0.1219	0.121	0	0.005	0	0.104	0	0.490	0.045	---	---	27
28	---	0.0360	0.122	0	0.006	0	0.075	0	0.421	0.054	---	---	28
29	---		0.091	0	0.002	0.076	0.091	0	0.888	0.036	---	---	29
30	---		0.085	0	0	0.005	0.082	0	1.39	0.042	---	---	30
31	---		0.047		0		0.050	0		0.0440		---	31
TOTAL	---	---	7.623	0.302	1.087	5.264	2.219	0.143	5.698	5.584	---	---	TOTAL
MEAN	---	---	0.246	0.010	0.034	0.175	0.072	0.005	0.223	0.180	---	---	MEAN
MAX	---	---	0.631	0.059	0.252	2.39	0.605	0.043	2.06	1.43	---	---	MAX
MIN	---	---	0.047	0	0	0	0	0	0	0.021	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.118
MAXIMUM DAILY, 2.39 ON JUN 9
MINIMUM DAILY, 0.0 ON APR 14

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 26 17 N
LONG 113 42 59 W
DRAINAGE AREA, 1 140 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	192
FEB	---	AUG	12.4
MAR	658	SEP	579
APR	26.1	OCT	482
MAY	93.2	NOV	---
JUN	455	DEC	---

TOTAL DISCHARGE, 2 600 dam³

MIDDLE CREEK NEAR THE SASKATCHEWAN BOUNDARY - STATION NO 11AB000

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1966

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0.0080	12.7	0.316	0.020	0.026	0.016	0.007	0.009	0.102	0.031	---	1
2	---	0.0080	10.8	0.196	0.020	0.023	0.016	0.006	0.011	0.068	0.031	---	2
3	---	0.0080	7.81	0.126	0.019	0.023	0.015	0.006	0.013	0.054	0.0336	---	3
4	---	0.0080	5.52	0.086	0.020	0.022	0.014	0.005	0.010	0.045	---	---	4
5	---	0.0080	4.77	0.065	0.023	0.023	0.015	0.005	0.020	0.040	---	---	5
6	---	0.0080	3.17	0.048	0.022	0.024	0.015	0.005	0.020	0.047	---	---	6
7	---	0.0080	1.32	0.036	0.022	0.027	0.014	0.005	0.020	0.043	---	---	7
8	---	0.0080	1.31	0.032	0.019	0.026	0.013	0.006	0.017	0.079	---	---	8
9	---	0.0080	1.20	0.031	0.022	0.025	0.015	0.005	0.016	0.037	---	---	9
10	---	0.0080	1.12	0.031	0.023	0.022	0.016	0.005	0.018	0.031	---	---	10
11	---	0.0070	0.882	0.028	0.023	0.021	0.015	0.004	0.018	0.031	---	---	11
12	---	0.0058	0.506	0.028	0.022	0.019	0.014	0.004	0.015	0.031	---	---	12
13	---	0.0060	0.287	0.033	0.022	0.021	0.015	0.007	0.015	0.031	---	---	13
14	---	0.0100	0.176	0.033	0.024	0.021	0.013	0.009	0.015	0.030	---	---	14
15	---	0.0110	0.170	0.032	0.028	0.025	0.011	0.011	0.016	0.030	---	---	15
16	---	0.0110	0.155	0.034	0.028	0.022	0.015	0.016	0.016	0.030	---	---	16
17	---	0.0060	0.139	0.033	0.027	0.023	0.020	0.022	0.020	0.037	---	---	17
18	---	0.0060	0.093	0.029	0.025	0.023	0.020	0.031	0.021	0.035	---	---	18
19	---	0.0060	0.069	0.030	0.753	0.023	0.029	0.030	0.020	0.034	---	---	19
20	---	0.0060	0.061	0.029	1.05	0.021	0.029	0.034	0.016	0.031	---	---	20
21	---	0.0050	0.053	0.030	1.05	0.021	0.026	0.021	0.016	0.030	---	---	21
22	---	0.0110	0.777	0.051	0.810	0.018	0.031	0.016	0.013	0.028	---	---	22
23	---	0.0120	0.529	0.028	1.06	0.016	0.032	0.013	0.011	0.028	---	---	23
24	---	0.0140	0.561	0.027	0.966	0.016	0.023	0.012	0.011	0.030	---	---	24
25	---	0.0570	0.297	0.026	0.526	0.017	0.011	0.011	4.12	0.030	---	---	25
26	---	2.66 0	0.607	0.025	0.281	0.016	0.016	0.010	11.2	0.029	---	---	26
27	---	6.17 0	0.265	0.020	0.135	0.015	0.016	0.011	3.50	0.029	---	---	27
28	---	6.87 0	0.121	0.020	0.073	0.016	0.007	0.010	1.10	0.029	---	---	28
29	---		0.605	0.020	0.048	0.015	0.008	0.009	0.497	0.029	---	---	29
30	---		0.522	0.019	0.036	0.015	0.007	0.009	0.219	0.029	---	---	30
31	---		0.437		0.027		0.008	0.008		0.030	---	---	31
TOTAL	---	10.909	57.544	1.523	7.208	0.640	0.503	0.302	21.022	1.153	---	---	TOTAL
MEAN	---	0.711	1.86	0.051	0.233	0.021	0.016	0.012	0.701	0.037	---	---	MEAN
MAX	---	6.87	12.7	0.316	1.06	0.026	0.032	0.034	11.2	0.102	---	---	MAX
MIN	---	0.005	0.069	0.019	0.019	0.015	0.007	0.006	0.009	0.029	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.402
MAXIMUM DAILY, 12.7 ON MAR 1
MINIMUM DAILY, 0.006 ON AUG 11
MAXIMUM INSTANTANEOUS,
16.0 AT 01 37 CST ON SEP 26

REMARKS - SIGNIFICANT RUNOFF OCCURRED IN FEB, OUTSIDE THE STANDARD PERIOD

SUMMARY FOR THE MONTHS FEB TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 25 29 N
LONG 110 03 00 W
DRAINAGE AREA, 305 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	43 5
FEB	1 720	AUG	31 3
MAR	4 570	SEP	1 820
APR	133	OCT	98 6
MAY	622	NOV	---
JUN	55 3	DEC	---

TOTAL DISCHARGE, 9 000 dam³

MIDDLE FORK CREEK IN CIRQUE NEAR SECDE - STATION NO 05DF020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1966

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	0.310	0.057	0.046	0.015	0.016	---	---	1
2	---	---	---	---	---	0.305	0.054	0.045	0.015	0.016	---	---	2
3	---	---	---	---	---	0.265	0.056	0.041	0.015	0.016	---	---	3
4	---	---	---	---	---	0.203	0.053	0.039	0.016	0.015	---	---	4
5	---	---	---	---	---	0.165	0.045	0.036	0.016	0.015	---	---	5
6	---	---	---	---	---	0.122	0.040	0.033	0.015	0.016	---	---	6
7	---	---	---	---	---	0.117	0.037	0.030	0.016	0.0188	---	---	7
8	---	---	---	---	---	0.116	0.038	0.029	0.016	---	---	---	8
9	---	---	---	---	---	0.117	0.039	0.027	0.016	---	---	---	9
10	---	---	---	---	---	0.122	0.040	0.025	0.018	---	---	---	10
11	---	---	---	---	---	0.130	0.040	0.024	0.017	---	---	---	11
12	---	---	---	---	---	0.136	0.039	0.024	0.017	---	---	---	12
13	---	---	---	---	---	0.125	0.037	0.023	0.017	---	---	---	13
14	---	---	---	---	---	0.113	0.034	0.022	0.017	---	---	---	14
15	---	---	---	---	---	0.114	0.033	0.022	0.017	---	---	---	15
16	---	---	---	---	---	0.118	0.031	0.022	0.017	---	---	---	16
17	---	---	---	---	---	0.112	0.030	0.021	0.016	---	---	---	17
18	---	---	---	---	---	0.117	0.029	0.021	0.016	---	---	---	18
19	---	---	---	---	---	0.125	0.028	0.020	0.016	---	---	---	19
20	---	---	---	---	---	0.116	0.030	0.019	0.015	---	---	---	20
21	---	---	---	---	---	0.095	0.037	0.018	0.015	---	---	---	21
22	---	---	---	---	---	0.074	0.047	0.018	0.015	---	---	---	22
23	---	---	---	---	---	0.063	0.051	0.018	0.015	---	---	---	23
24	---	---	---	---	---	0.072	0.049	0.017	0.016	---	---	---	24
25	---	---	---	---	---	0.083	0.045	0.017	0.0100	---	---	---	25
26	---	---	---	---	---	0.088	0.043	0.017	0.017	---	---	---	26
27	---	---	---	---	---	0.078	0.039	0.016	0.015	---	---	---	27
28	---	---	---	---	---	0.068	0.037	0.016	0.015	---	---	---	28
29	---		---	---	---	0.063	0.039	0.016	0.015	---	---	---	29
30	---		---	---	0.3233	0.061	0.040	0.016	0.015	---	---	---	30
31	---		---		0.314		0.043	0.016		---	---	---	31
TOTAL	---	---	---	---	0.306	2.773	1.259	0.784	0.475	---	---	---	TOTAL
MEAN	---	---	---	---	---	0.126	0.041	0.026	0.016	---	---	---	MEAN
MAX	---	---	---	---	---	0.310	0.057	0.046	0.017	---	---	---	MAX
MIN	---	---	---	---	---	0.061	0.028	0.016	0.015	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.051
MAXIMUM DAILY, 0.310 ON JUN 1
MINIMUM DAILY, 0.015 ON SEP 1
MAXIMUM INSTANTANEOUS,
0.350 AT 14 20 MST ON MAY 29

SUMMARY FOR THE MONTHS JUN TO SEP

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 30 N
LONG 115 11 50 W
DRAINAGE AREA, 1.17 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	109
FEB	---	AUG	69 1
MAR	---	SEP	41 0
APR	---	OCT	---
MAY	---	NOV	---
JUN	326	DEC	---

TOTAL DISCHARGE, 941 dam³

MIDDLE FORK CREEK NEAR SEEBE - STATION NO 08MF017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.008	0.005	0.004	0.004	0.005	0.415	0.078	0.052	0.023	0.023	0.042	0.015	1
2	0.007	0.005	0.004	0.004	0.010	0.605	0.080	0.048	0.023	0.022	0.044	0.015	2
3	0.007	0.005	0.004	0.004	0.023	0.359	0.085	0.053	0.023	0.023	0.040	0.015	3
4	0.007	0.005	0.004	0.004	0.022	0.316	0.083	0.078	0.024	0.027	0.037	0.015	4
5	0.006	0.005	0.004	0.004	0.015	0.282	0.078	0.074	0.024	0.043	0.035	0.014	5
6	0.006	0.005	0.004	0.004	0.013	0.256	0.072	0.067	0.024	0.068	0.034	0.014	6
7	0.007	0.005	0.004	0.005	0.012	0.250	0.069	0.061	0.024	0.073	0.029	0.014	7
8	0.007	0.004	0.004	0.010	0.015	0.250	0.070	0.060	0.024	0.070	0.029	0.013	8
9	0.007	0.004	0.004	0.013	0.016	0.246	0.073	0.056	0.024	0.072	0.029	0.013	9
10	0.007	0.004	0.004	0.010	0.018	0.244	0.074	0.051	0.024	0.071	0.028	0.013	10
11	0.007	0.004	0.004	0.008	0.017	0.238	0.073	0.048	0.024	0.068	0.027	0.012	11
12	0.006	0.004	0.004	0.008	0.016	0.230	0.073	0.047	0.024	0.066	0.025	0.012	12
13	0.006	0.004	0.004	0.007	0.015	0.210	0.070	0.046	0.024	0.064	0.024	0.012	13
14	0.006	0.004	0.004	0.007	0.015	0.189	0.063	0.042	0.024	0.064	0.023	0.012	14
15	0.006	0.004	0.004	0.007	0.014	0.187	0.061	0.040	0.024	0.066	0.023	0.012	15
16	0.006	0.004	0.004	0.006	0.014	0.176	0.060	0.038	0.023	0.067	0.022	0.012	16
17	0.006	0.004	0.004	0.006	0.018	0.167	0.065	0.037	0.022	0.068	0.022	0.011	17
18	0.006	0.004	0.004	0.006	0.030	0.166	0.066	0.036	0.022	0.067	0.021	0.011	18
19	0.006	0.003	0.004	0.006	0.045	0.172	0.071	0.035	0.022	0.065	0.021	0.011	19
20	0.006	0.003	0.004	0.007	0.075	0.155	0.074	0.034	0.021	0.064	0.020	0.011	20
21	0.006	0.003	0.004	0.012	0.085	0.130	0.079	0.033	0.021	0.061	0.020	0.011	21
22	0.006	0.003	0.004	0.020	0.084	0.106	0.088	0.031	0.021	0.058	0.019	0.011	22
23	0.006	0.003	0.004	0.014	0.074	0.095	0.086	0.029	0.021	0.055	0.018	0.010	23
24	0.006	0.004	0.004	0.011	0.089	0.102	0.090	0.029	0.021	0.053	0.018	0.010	24
25	0.006	0.004	0.004	0.011	0.172	0.116	0.087	0.028	0.022	0.051	0.018	0.010	25
26	0.006	0.004	0.004	0.010	0.271	0.114	0.086	0.027	0.023	0.050	0.017	0.010	26
27	0.006	0.004	0.004	0.009	0.383	0.108	0.084	0.025	0.022	0.052	0.017	0.009	27
28	0.006	0.004	0.004	0.009	0.506	0.104	0.084	0.025	0.022	0.048	0.016	0.009	28
29	0.006		0.004	0.009	0.534	0.089	0.087	0.024	0.022	0.047	0.016	0.009	29
30	0.005		0.004	0.009	0.442	0.083	0.090	0.026	0.023	0.045	0.016	0.009	30
31	0.005		0.004		0.414		0.091	0.024		0.040		0.009	31
TOTAL	0.196	0.114	0.124	0.265	3.430	5.861	2.405	1.414	0.686	1.711	0.750	0.384	TOTAL
MEAN	0.006	0.004	0.004	0.008	0.111	0.195	0.078	0.046	0.023	0.055	0.025	0.012	MEAN
MAX	0.008	0.005	0.004	0.020	0.534	0.415	0.090	0.053	0.024	0.073	0.044	0.015	MAX
MIN	0.005	0.003	0.004	0.004	0.005	0.083	0.060	0.024	0.021	0.022	0.016	0.009	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.046
MAXIMUM DAILY 0.534 ON MAY 29
MINIMUM DAILY 0.003 ON FEB 16
MAXIMUM INSTANTANEOUS
0.705 AT 15 15 MST ON MAY 28

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 34 N
LONG 115 10 16 W
DRAINAGE AREA 2.85 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	16.8	JUL	208
FEB	9.85	AUG	122
MAR	10.7	SEP	59.3
APR	21.2	OCT	148
MAY	296	NOV	64.8
JUN	515	DEC	31.4

TOTAL DISCHARGE 1 500 dam³

MIETTE RIVER NEAR JASPER - STATION NO 07AA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.7200	0.7040	0.7640	0.6650	1.01	108	32.4	14.8	8.13	4.64	2.76	1.46 B	1
2	0.7240	0.7060	0.7710	0.6650	1.01	104	32.5	14.5	10.1 A	4.02	3.58	1.19 B	2
3	0.6830	0.7170	0.7460	0.6200	1.27	82.4	33.4	15.3	11.3 A	3.90	3.50	1.04 B	3
4	0.6640	0.6700	0.7350	0.5660	1.77	67.4	27.2	15.5	12.5	4.50	3.36	1.26 B	4
5	0.6830	0.6580	0.7250	1.04 E	2.10	63.5	23.7	16.5	14.1 A	5.63	3.28	1.37 B	5
6	0.7400	0.6870	0.7050	1.09 E	2.40	64.5	22.6	15.6	9.69A	6.18	2.92 B	1.26 B	6
7	0.7500	0.6900	0.6870	1.16 E	2.67	71.0	26.7	14.5	7.80	5.73	2.13 B	1.38 B	7
8	0.7500	0.6870	0.7040	1.30 E	3.07	85.9	27.5	14.1	7.05	5.86	1.42 B	1.38 B	8
9	0.7460	0.6610	0.7100	1.53 E	3.43	82.9	31.0	13.4	6.34	5.23	0.9378	1.36 B	9
10	0.7460	0.6060	0.7060	1.63 E	3.50	56.5	35.6	12.4	6.00	4.89	0.9118	1.36 B	10
11	0.7300	0.5940	0.6700	1.31 E	3.25	69.3	30.5	12.6	6.27	4.39	1.45 B	1.38 B	11
12	0.7300	0.5890	0.6670	1.15 E	3.13	55.6	28.8	12.7	5.78	4.24	1.84 B	1.40 B	12
13	0.7240	0.5720	0.6770	1.11 E	2.85	43.9	28.0	12.1	5.33	4.13	2.07 B	1.43 B	13
14	0.7040	0.5820	0.6700	1.12 E	2.59	43.6	23.5	11.4	5.08	4.06	2.06 B	1.48 B	14
15	0.6900	0.5710	0.6460	1.14 E	2.41	51.9	21.9	10.2	4.86	3.88	2.09 B	1.52 B	15
16	0.6900	0.5530	0.6550	1.17 E	2.33	65.9	30.8	8.85	4.64	3.76	2.03 B	1.41 B	16
17	0.5900	0.5530	0.6620	1.15 E	2.85	61.7	37.9	8.06	4.44	3.64	1.93 B	1.34 B	17
18	0.6700	0.5460	0.6770	1.15 E	4.01	51.1	43.0	7.85	4.18	3.51	1.81 B	1.06 B	18
19	0.6630	0.5360	0.6830	1.13 E	4.17	48.3	36.8	8.21	4.04	3.10	1.81 B	1.12 B	19
20	0.5670	0.5300	0.7040	1.24 E	10.5	36.5	33.0	7.50	3.87	3.35	2.04 B	1.26 B	20
21	0.6700	0.5430	0.7270	1.48 E	14.4	30.0	30.5	7.08	3.70	3.30	2.16 B	1.29 B	21
22	0.6630	0.5550	0.7440	1.56 E	11.8	28.5	28.3	6.83	3.64	3.19	2.15 B	1.23 B	22
23	0.6970	0.5810	0.7100	1.47 E	9.95	33.5	29.6	6.77	3.63	3.02	2.06 B	1.29 B	23
24	0.7170	0.6100	0.7090	1.29 E	10.2	40.1	26.7	7.02	3.66	2.97	2.04 B	1.30 B	24
25	0.7260	0.6420	0.7080	1.21 E	13.0	38.7	23.1	7.25	3.60	3.14	1.92 B	1.20 B	25
26	0.7260	0.6460	0.7360	1.18 E	32.3	36.8	20.1	6.80	4.22	3.84	1.83 B	1.16 B	26
27	0.7610	0.6570	0.8210	1.20 E	72.7	37.8	19.5	6.66	4.60	5.14	1.76 B	1.14 B	27
28	0.7770	0.7060	0.8800	1.19 A	92.7	37.2	21.2	6.63	4.10	5.47	1.63 B	1.10 B	28
29	0.7460		1.04 B	1.10	105	36.5	20.8	6.58	3.84	4.29	1.42 B	1.08 B	29
30	0.7360		0.9500	1.07	100	35.8	19.2	6.366A	4.15	3.79	1.46 B	0.9988	30
31	0.7460		0.8830		110		18.6	7.266		3.25		0.8868	31
TOTAL	22.161	17.665	22.882	35.707	662.67	1 577.5	850.1	335.46	181.86	130.38	62.358	38.924	TOTAL
MEAN	0.715	0.623	0.761	1.19	20.7	52.6	27.7	10.5	6.06	4.21	2.08	1.26	MEAN
MAX	0.781	0.764	1.04	1.56	110	108	43.0	16.5	14.1	6.18	3.58	1.52	MAX
MIN	0.603	0.536	0.646	0.806	1.01	27.2	18.6	6.66	3.60	2.97	0.911	0.886	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 10.7
MAXIMUM DAILY 110 ON MAY 31
MINIMUM DAILY 0.5360 ON FEB 18
MAXIMUM INSTANTANEOUS
110 AT 02 15 MST ON MAY 31

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 51 00 N
LONG 118 08 21 W
DRAINAGE AREA 530 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 910	JUL	74 200
FEB	1 510	AUG	28 100
MAR	1 880	SEP	15 600
APR	3 080	OCT	11 300
MAY	35 500	NOV	5 390
JUN	134 000	DEC	3 360

TOTAL DISCHARGE 338 000 dam³

MILK RIVER AT EASTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 11AA031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	40.8	4.61	11.6	10.1	20.0	13.3	15.6	3.40E	---	---	1
2	---	---	21.8	4.93	11.5	9.54	17.9	13.4	17.4	3.11E	---	---	2
3	---	---	19.2	5.66	11.3	9.34	16.8	13.1	17.7	2.83E	---	---	3
4	---	---	18.4	5.95	11.5	9.17	16.3	13.2	18.1	2.63E	---	---	4
5	---	---	19.0	5.64	14.5	9.64	16.2	13.3	19.1	2.41E	---	---	5
6	---	---	18.0	5.44	15.6	9.43	16.5	13.0	19.6	2.27E	---	---	6
7	---	---	15.8	6.64	16.2	9.29	16.8	13.2	16.6	2.12E	---	---	7
8	---	---	14.4	6.25	16.2	9.91	16.9	13.0	11.1	2.01	---	---	8
9	---	---	13.5	8.00	23.2	11.7	16.8	13.2	8.35	2.58	---	---	9
10	---	---	12.7 E	7.73	19.5	12.0	16.0	13.1	7.42	2.83	---	---	10
11	---	---	10.6 E	8.30	17.4	11.8	15.6	13.1	5.72	2.53	---	---	11
12	---	---	9.20E	8.86	16.9	11.1	15.4	13.5	4.59E	2.46	---	---	12
13	---	---	8.50E	9.63	16.2	9.67	15.1	14.1	3.88E	2.35	---	---	13
14	---	---	8.23E	9.57	14.5	8.86	14.6	13.6	3.40E	2.41	---	---	14
15	---	---	7.85E	10.4	14.4	8.95	14.0	14.5	3.11E	2.32	---	---	15
16	---	---	7.85E	10.5	13.5	8.61	15.8	13.5	2.83E	2.29	---	---	16
17	---	---	7.38E	11.0	12.0	8.10	15.9	9.85	2.75E	2.24	---	---	17
18	---	---	7.36E	10.8	14.0	8.12	16.3	10.7	2.63E	2.16	---	---	18
19	---	---	7.08E	11.0	13.6	7.89	15.7	12.6	2.55E	2.07	---	---	19
20	---	---	7.08E	11.1	14.4	8.57	15.8	12.5	3.11E	2.01	---	---	20
21	---	---	6.80E	11.2	15.8	7.82	15.0	12.9	2.63E	1.93	---	---	21
22	---	---	6.51E	10.8	19.1	11.4	16.2	13.5	2.69E	1.87	---	---	22
23	---	---	6.95E	10.7	19.5	14.5	16.4	13.6	2.35E	1.76	---	---	23
24	---	---	6.65E	11.0	15.6	16.9	15.6	13.9	1.84	1.67	---	---	24
25	---	---	6.38E	10.8	15.5	17.5	15.8	14.2	23.2	1.61	---	---	25
26	---	---	6.65E	10.9	16.9	17.2	15.8	14.1	23.6	1.69	---	---	26
27	---	---	6.95E	11.0	14.9	16.5	14.8	14.4	12.7	1.44	---	---	27
28	---	---	6.66E	11.5	13.5	16.2	14.7	14.7	8.07	1.42	---	---	28
29	---	---	6.38	11.9	12.6	15.0	14.8	14.9	6.62	1.39	---	---	29
30	---	---	6.01	11.6	11.8	13.9	13.7	15.0	3.71E	1.33E	---	---	30
31	---	---	6.81		10.8		13.6	15.8		1.37E			31
TOTAL	---	---	339.16	268.63	467.5	344.01	490.8	418.95	272.59	66.42	---	---	TOTAL
MEAN	---	---	10.9	8.95	15.1	11.5	15.8	13.5	9.09	2.14	---	---	MEAN
MAX	---	---	40.8	11.9	23.2	16.9	20.0	15.8	23.6	3.40	---	---	MAX
MIN	---	---	6.01	4.25	10.8	8.57	13.6	9.85	1.84	1.27	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.9
MAXIMUM DAILY, 40.8 ON MAR 1
MINIMUM DAILY, 1.27E ON OCT 31
MAXIMUM INSTANTANEOUS,
283 ON FEB 27

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 59 03 N
LONG 110 28 10 W
DRAINAGE AREA, 5 490 km²

E - ESTIMATED
REGULATED SINCE 1917

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	42 400
FEB	---	AUG	35 000
MAR	29 200	SEP	23 600
APR	23 200	OCT	5 740
MAY	40 400	NOV	---
JUN	29 700	DEC	---

TOTAL DISCHARGE, 230 000 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD AND WAS DERIVED FROM HIGH WATER MARK

MILK RIVER AT MILK RIVER - STATION NO. 11AA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.9908	2.70 B	21.8 A	5.10	10.5	9.06	18.0	14.5	15.8	1.10	0.8902	2.21 B	1
2	0.8378	3.60 B	17.6 A	5.12	10.3	9.37	17.9	14.6	15.8	1.01	0.8748	1.80 B	2
3	0.9028	3.28 B	14.7 A	4.98	10.4	8.76	16.3	14.6	15.7	0.982	0.8708	1.47 B	3
4	0.3908	2.33 B	12.2 A	4.49	11.6	8.62	16.3	14.5	13.9	1.52	0.861	1.44 B	4
5	0.3708	2.28 B	11.3 A	4.15	13.8	8.73	16.3	14.7	10.1	2.21	0.789	1.19 B	5
6	0.3658	2.00 B	10.1 A	4.95	17.3	9.52	16.5	14.7	6.14	1.98	0.745	0.7378	6
7	0.3648	1.84 B	7.82A	9.54	16.4	10.2	16.8	14.8	3.85	1.67	0.4825	0.6288	7
8	0.3808	1.63 B	7.72A	9.91	14.4	11.1	17.6	14.8	2.69	1.51	0.4508	0.6018	8
9	0.3908	1.65 B	7.82A	10.0	13.1	10.6	17.8	15.0	2.22	1.47	0.3602	0.5458	9
10	0.5138	1.36 B	8.48A	10.2	12.1	9.57	17.5	15.0	1.79	1.50	0.2785	0.5918	10
11	0.6638	1.30 B	9.24A	10.3	12.0	9.15	17.4	15.1	1.43	1.44	0.2398	0.9568	11
12	0.7328	1.30 B	9.64A	10.7	11.1	8.72	17.4	15.3	1.31	1.48	0.2408	0.9238	12
13	0.8368	1.28 B	9.91A	10.8	10.7	8.29	17.6	15.4	1.12	1.53	0.3648	0.6078	13
14	0.9248	1.10 B	9.74A	10.7	10.3	8.29	17.2	15.3	1.02	1.48	0.3708	0.6708	14
15	1.04 B	0.8578	9.44A	10.3	11.1	8.75	17.2	13.0	0.972	1.44	0.3878	0.6968	15
16	1.14 B	0.7428	9.43A	10.7	11.5	8.16	17.5	14.3	1.24	1.32	0.3898	0.6188	16
17	1.16 B	0.8508	9.28A	11.1	12.2	7.74	17.5	14.8	1.14	1.21	0.4118	0.7498	17
18	1.22 B	0.8468	9.10A	11.3	13.6	8.80	17.3	15.1	1.31	1.13	0.5328	0.5238	18
19	1.62 B	0.8408	8.90A	10.8	12.8	10.2	16.8	15.3	1.61	1.06	0.7768	0.5258	19
20	1.90 B	0.8708	8.72A	10.6	11.6	10.6	16.8	15.3	1.57	0.994	0.8318	0.5428	20
21	2.91 B	0.7008	8.63A	10.6	11.0	10.1	16.7	15.2	1.52	0.944	0.8968	0.5298	21
22	2.47 B	0.7698	8.91A	10.4	11.4	10.3	16.6	15.5	1.76	0.857	0.8808	0.5588	22
23	2.27 B	0.9948	8.48A	10.4	11.5	10.3	16.6	15.5	1.81	0.834	1.08 B	0.6148	23
24	1.88 B	1.38 B	8.49A	10.7	11.6	10.2	15.7	15.5	1.62	0.830	1.28 B	0.6208	24
25	1.85 B	138 B	8.11A	11.1	10.8	10.1	15.1	15.6	1.69	0.813	1.46 B	0.6888	25
26	2.03 B	218 A	7.83	12.0	10.2	10.0	15.0	15.7	1.51	0.811	1.81 B	0.6678	26
27	2.40 B	91.8 A	8.28	11.7	9.72	9.89	15.2	15.6	1.43	0.797	2.07 B	0.6238	27
28	2.60 B	26.8 A	8.28	11.6	9.63	9.69	14.7	15.6	1.45	0.781	2.31 B	0.7648	28
29	2.42 B		8.14	11.3	9.45	9.55	14.5	15.7	1.62	0.761	2.34 B	0.8638	29
30	2.47 B		8.31	10.7	9.24	9.18	14.5	15.8	1.31	0.810	2.42 B	0.9238	30
31	2.75 B		8.48		9.34		14.5	15.8		0.8008		0.8538	31
TOTAL	48.478	488.507	295.19	330.14	350.55	376.94	532.2	484.8	118.132	37.024	27.351	25.561	TOTAL
MEAN	1.50	17.4	9.52	11.0	11.6	12.6	16.8	15.0	3.87	1.19	0.912	0.857	MEAN
MAX	5.00	218	21.8	12.0	17.3	18.9	18.5	15.9	15.8	2.21	2.42	2.21	MAX
MIN	0.384	0.840	3.14	4.15	9.24	7.74	14.5	12.3	0.972	0.751	0.239	0.633	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.11
MAXIMUM DAILY, 218A ON FEB 26
MINIMUM DAILY, 0.238B ON NOV 11
MAXIMUM INSTANTANEOUS,
278 AT 24:00 MST ON FEB 25

SUMMARY FOR THE YEAR 1984

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 08 37 N
LONG 112 04 44 W
DRAINAGE AREA, 2 730 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1918

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 020	JUL	45 100
FEB	42 200	AUG	40 200
MAR	17 700	SEP	10 000
APR	25 100	OCT	3 200
MAY	31 200	NOV	2 360
JUN	32 500	DEC	2 290

TOTAL DISCHARGE, 256 000 dam³

MILK RIVER AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO 11AA025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	10 8	4 43	2 30	1 65	0 573	0 001	0	0 519	---	---	1
2	---	---	9 87	4 37	2 20	1 45	0 575	0	0	0 637	---	---	2
3	---	---	8 01	3 74	2 06	1 32	0 731	0	0	1 16	---	---	3
4	---	---	6 41	3 21	3 97	1 14	0 603	0	0	1 58	---	---	4
5	---	---	5 91	2 89	5 58	1 28	0 514	0	0	1 30	---	---	5
6	---	---	4 53	2 69	8 27	1 66	0 427	0	0	1 05	---	---	6
7	---	---	4 33	2 58	8 48	2 66	0 395	0	0	0 922	---	---	7
8	---	---	4 01	2 40	5 25	3 25	0 392	0	0	0 922	---	---	8
9	---	---	3 95	2 37	4 27	2 28	0 378	0	0	0 875	---	---	9
10	---	---	3 74	2 46	3 70	2 13	0 278	0	0	0 911	---	---	10
11	---	---	3 05	2 68	3 33	1 95	0 218	0	0	0 946	---	---	11
12	---	---	3 08	2 91	2 81	1 56	0 175	0	0 299	0 956	---	---	12
13	---	---	2 72	2 93	2 60	1 30	0 138	0	0 657	0 950	---	---	13
14	---	---	2 67	3 18	2 45	1 14	0 097	0	0 557	0 903	---	---	14
15	---	---	2 64	2 98	3 10	1 01	0 076	0	0 489	0 837	---	---	15
16	---	---	2 67	3 19	3 48	0 896	0 074	0	0 532	0 777	---	---	16
17	---	---	2 67	3 84	4 57	0 859	0 077	0	0 666	0 742	---	---	17
18	---	---	2 27	3 60	4 88	0 865	0 040	0	0 731	0 704	---	---	18
19	---	---	2 15	3 03	3 97	0 856	0 030	0	0 778	0 668	---	---	19
20	---	---	2 30	2 60	3 17	1 05	0 024	0	0 816	0 661	---	---	20
21	---	---	2 73	2 33	2 70	0 744	0 017	0	1 25	0 610	---	---	21
22	---	---	3 10	2 25	3 15	0 666	0 012	0	1 17	0 582	---	---	22
23	---	---	3 43	2 43	3 76	0 555	0 011	0	1 06	0 582	---	---	23
24	---	---	3 39	2 67	3 16	0 652	0 007	0	0 896	0 564	---	---	24
25	---	---	2 86	2 96	2 64	0 574	0 004	0	0 788	0 548	---	---	25
26	---	89 7A	2 39	3 03	2 28	0 528	0 004	0	0 807	0 536	---	---	26
27	---	28 5	2 50	3 01	2 02	0 473	0 011	0	0 837	0 535	---	---	27
28	---	13 5	2 44	3 23	1 84	0 429	0 014	0	0 765	0 534	---	---	28
29	---		3 65	2 83	1 72	0 585	0 009	0	0 682	0 535	---	---	29
30	---		5 11	2 45	1 89	0 406	0 003	0	0 568	0 5448	---	---	30
31	---		4 66		1 80		0 002	0		0 540E	---	---	31
TOTAL	---	---	124 04	89 39	104 61	36 238	6 309	0 001	14 389	24 110	---	---	TOTAL
MEAN	---	---	4 00	2 98	3 38	1 21	0 204	0	0 480	0 778	---	---	MEAN
MAX	---	---	10 8	4 43	8 27	3 25	0 575	0 001	1 29	1 58	---	---	MAX
MIN	---	---	2 15	2 25	1 72	0 406	0 002	0	0	0 519	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 1 63
MAXIMUM DAILY, 10 8 ON MAR 1
MINIMUM DAILY, 0 ON AUG 2
MAXIMUM INSTANTANEOUS, 1TOE ON FEB 25

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 27 N
LONG 112 32 42 W
DRAINAGE AREA 1 050 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	545
FEB	---	AUG	0 09
MAR	10 700	SEP	1 240
APR	7 720	OCT	2 080
MAY	9 040	NOV	---
JUN	3 130	DEC	---

TOTAL DISCHARGE 24 500 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS ESTIMATED FROM GRAPH TRACE AND PEAK AT MILK RIVER AT MILK RIVER STATION

MILK RIVER RIDGE RESERVOIR - STATION NO 05AF030

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1021 428	1021 542	1021 670	1022 287	1022 415	1020 240	1018 865	1020 237	1021 601	---	1
2	---	---	1021 433	1021 531	1021 715	1022 268	1022 407	1020 182	1018 877	1020 436	1021 599	---	2
3	---	---	1021 441	1021 547	1021 739	1022 278	1022 384	1020 244	1018 874	1020 636	1021 600A	---	3
4	---	---	1021 445	1021 545	1021 789	1022 310	1022 369	1020 331	1018 874	1020 827	---	---	4
5	---	---	1021 448	1021 545	1021 857	1022 366	1022 351	1020 427	1018 867	1020 942	---	---	5
6	---	---	1021 436	1021 548	1021 938	1022 430	1022 354	1020 514	1018 866	1020 970	---	---	6
7	---	---	1021 445	1021 550	1022 035	1022 483	1022 352	1020 562	1018 836	1020 986	---	---	7
8	---	---	1021 458	1021 556	1022 097	1022 523	1022 346	1020 577	1018 795	1021 016	---	---	8
9	---	---	1021 460	1021 550	1022 142	1022 575	1022 335	1020 589	1018 779	1021 086	---	---	9
10	---	---	1021 463	1021 544	1022 183	1022 625	1022 318	1020 588	1018 771	1021 207	---	---	10
11	---	---	1021 467	1021 522	1022 211	1022 658	1022 295	1020 582	1018 768	1021 354	---	---	11
12	---	---	1021 469	1021 518	1022 244	1022 657	1022 274	1020 572	1018 770	1021 467	---	---	12
13	---	---	1021 469	1021 526	1022 285	1022 659	1022 218	1020 579	1018 758	1021 555	---	---	13
14	---	---	1021 469	1021 530	1022 303	1022 655	1022 159	1020 576	1018 727	1021 626	---	---	14
15	---	---	1021 472	1021 536	1022 369	1021 665	1022 077	1020 543	1018 688	1021 670	---	---	15
16	---	---	1021 478	1021 526	1022 404	1022 698	1021 972	1020 476	1018 639	1021 696	---	---	16
17	---	---	1021 492	1021 516	1022 407	1022 736	1021 872	1020 401	1018 597	1021 705	---	---	17
18	---	---	1021 505	1021 507	1022 381	1022 730	1021 781	1020 363	1018 546	1021 694	---	---	18
19	---	---	1021 512	1021 498	1022 377	1022 725	1021 709	1020 331	1018 525	1021 688	---	---	19
20	---	---	1021 518	1021 485	1022 355	1022 727	1021 607	1020 310	1018 506	1021 684	---	---	20
21	---	---	1021 526	1021 491	1022 303	1022 720	1021 507	1020 283	1018 502	1021 677	---	---	21
22	---	---	1021 522	1021 505	1022 295	1022 732	1021 399	1020 245	1018 510	1021 672	---	---	22
23	---	---	1021 526	1021 540	1022 334	1022 741	1021 289	1020 109	1018 535	1021 666	---	---	23
24	---	---	1021 530	1021 550	1022 366	1022 742	1021 192	1019 911	1018 588	1021 657	---	---	24
25	---	---	1021 526	1021 578	1022 396	1022 706	1021 093	1019 702	1018 787	1021 646	---	---	25
26	---	---	1021 532	1021 616	1022 423	1022 646	1020 995	1019 493	1019 079	1021 643	---	---	26
27	---	---	1021 542	1021 660	1022 435	1022 591	1020 885	1019 292	1019 374	1021 634	---	---	27
28	---	1021 429A	1021 539	1021 690	1022 419	1022 527	1020 774	1019 092	1019 609	1021 620	---	---	28
29	---		1021 535	1021 687	1022 368	1022 480	1020 659	1018 917	1019 824	1021 605	---	---	29
30	---		1021 535	1021 670	1022 292	1022 442	1020 512	1018 850	1020 039	1021 601	---	---	30
31	---		1021 535		1022 286		1020 374	1018 848		1021 597	---	---	31
MEAN	---	---	1021 489	1021 554	1022 207	1022 580	1021 751	1020 120	1018 859	1021 371	---	---	MEAN
MAX	---	---	1021 542	1021 650	1022 435	1022 742	1022 815	1020 589	1020 039	1021 705	---	---	MAX
MIN	---	---	1021 428	1021 491	1021 670	1022 278	1020 374	1018 848	1018 502	1020 237	---	---	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MAXIMUM DAILY, 1022 742 ON JUN 24

MAXIMUM INSTANTANEOUS,
1022 755 AT 15 25 MST ON JUN 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 23 00 N
LONG 111 35 38 W

A - MANUAL GAUGE

REGULATED

DRAINAGE AREA,
180 km²

WATER LEVELS ARE REFERRED TO PRAIRIE FARM REHABILITATION ADMINISTRATION DATUM
APPLY 9 741 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

MILL CREEK NEAR THE MOUTH - STATION NO 05AD011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	3.600	2.22	3.46	9.85	1.69	0.8918	0.680	1.86	1.71	---	1
2	---	---	3.500	3.17	3.44	9.37	1.80	0.8976	0.537	1.89	1.85	---	2
3	---	---	3.100	3.10	3.84	8.60	1.75	0.8946	0.514	1.70	1.70	---	3
4	---	---	2.800E	2.12	3.43	7.89	1.78	0.8218	0.550	2.03	1.71	---	4
5	---	---	2.700	2.06	5.80	6.15	1.74	0.7978	0.842	2.34	1.72A	---	5
6	---	---	2.500E	2.07	6.37	6.70	1.67	0.7760	0.810	2.42	---	---	6
7	---	---	2.400E	2.11	5.99	6.46	1.58	0.784	0.786	2.49	---	---	7
8	---	---	2.300E	2.16	5.91	7.00	1.57	0.778	0.764	2.67	---	---	8
9	---	---	2.200E	2.28	5.86	7.23	1.53	0.781	1.12	2.65	---	---	9
10	---	---	2.100E	2.35	5.88	6.41	1.64	0.771	1.19	2.61	---	---	10
11	---	---	2.000E	2.38	5.87	5.84	1.61	0.757	1.05	2.42	---	---	11
12	---	---	1.800A	2.31	5.39	5.49	1.38	0.780	0.858	2.39	---	---	12
13	---	---	1.83	2.38	5.47	5.03	1.28	0.749	0.889	2.53	---	---	13
14	---	---	1.81	2.38	5.41	4.60	1.20	0.712	0.901	2.53	---	---	14
15	---	---	1.74	2.40	5.85	4.34	1.18	0.881	1.06	2.43	---	---	15
16	---	---	1.71	2.83	5.88	3.94	1.16	0.688	1.18	2.33	---	---	16
17	---	---	1.68	2.48	6.19	3.67	1.24 A	0.648	1.14	2.24	---	---	17
18	---	---	1.65	2.42	5.13	3.42	1.22 E	0.586	1.01	2.15	---	---	18
19	---	---	1.86	2.40	6.81	3.25	1.19 E	0.536	1.69	2.04	---	---	19
20	---	---	1.87	2.90	7.84	3.05	1.17 E	0.559	1.60	2.02	---	---	20
21	---	---	1.84	2.85	8.30	2.86	1.15 E	0.530	1.35	1.96	---	---	21
22	---	---	1.86	4.14	9.55	2.84	1.12 E	0.519	1.30	1.92	---	---	22
23	---	---	1.76	5.05	8.50	2.68	1.10 E	0.482	1.43	1.87	---	---	23
24	---	---	1.77	5.17	7.77	2.37	1.08 E	0.489	1.51	1.83	---	---	24
25	---	7.038	1.86	4.88	7.87	2.27	1.05 E	0.493	1.80	1.78	---	---	25
26	---	5.000	1.67	4.82	9.38	2.15	1.03 E	0.486	1.98	1.76	---	---	26
27	---	5.008	1.88	4.34	10.7	2.09	1.01 E	0.476	1.78	1.81	---	---	27
28	---	4.998	2.17	4.10	11.6	2.03	0.9868	0.474	1.61	1.75	---	---	28
29	---		2.35	3.83	11.9	2.00	0.9608	0.473	1.49	1.73	---	---	29
30	---		2.49	3.61	11.3	1.98	0.9278	0.749	1.58	1.73	---	---	30
31	---		2.44		10.6		0.9168	0.766		1.89	---	---	31
TOTAL	---	---	67.11	88.84	221.32	147.93	40.475	20.891	35.130	65.91	---	---	TOTAL
MEAN	---	---	2.16	2.96	7.14	4.93	1.31	0.687	1.17	2.13	---	---	MEAN
MAX	---	---	3.80	5.65	11.9	9.85	1.69	0.891	1.89	2.67	---	---	MAX
MIN	---	---	1.65	2.07	3.44	1.98	0.916	0.473	0.514	1.69	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 2.90
MAXIMUM DAILY, 11.9 ON MAY 28
MINIMUM DAILY, 0.473 ON AUG 29
MAXIMUM INSTANTANEOUS,
12.1 AT 04 15 MST ON MAY 28

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 28 10 0
LONG 114 08 00 W
DRAINAGE AREA, 170 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	3 990
FEB	---	AUG	1 790
MAR	6 800	SEP	3 030
APR	7 680	OCT	6 680
MAY	19 100	NOV	---
JUN	12 800	DEC	---

TOTAL DISCHARGE, 89 400 dam³

MINERS COULEE NEAR INTERNATIONAL BOUNDARY - STATION NO 11AA029

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.225	0.038	0.068	0.113	0.0.*	0	0	0	---	---	1
2	---	---	0.198	0.039	0.068	0.108	0.012	0	0	0	---	---	2
3	---	---	0.181	0.032	0.007	0.105	0.009	0	0	0	---	---	3
4	---	---	0.118	0.020	0.016	0.103	0.007	0	0	0.001	---	---	4
5	---	---	0.083	0.018	0.106	0.118	0.006	0	0	0	---	---	5
6	---	---	0.070	0.017	0.283	0.127	0.005	0	0	0	---	---	6
7	---	---	0.055	0.014	0.217	0.117	0.008	0	0	0	---	---	7
8	---	---	0.064	0.013	0.182	0.123	0.007	0	0	0.007	---	---	8
9	---	---	0.048	0.012	0.162	0.123	0.006	0	0	0.004	---	---	9
10	---	---	0.037	0.012	0.155	0.083	0.002	0		0.005	---	---	10
11	---	---	0.032	0.012	0.164	0.046	-	0	0	0.079	---	---	11
12	---	---	0.031	0.013	0.137	0.026	0	0	0	0.062	---	---	12
13	---	---	0.030	0.014	0.054	0.018	0	0	0	0.058	---	---	13
14	---	---	0.033	0.015	0.054	0.015	0	0	0	0.034	---	---	14
15	---	---	0.031	0.018	0.048	0.016	0	0	0	0.033	---	---	15
16	---	---	0.034	0.029	0.048	0.013	0	0	0	0.048	---	---	16
17	---	---	0.030	0.027	0.139	0.010	0	0	0	0.062	---	---	17
18	---	---	0.031	0.024	0.298	0.008	0	0	0	0.052	---	---	18
19	---	---	0.034	0.020	0.193	0.309	0	0	0	0.051	---	---	19
20	---	---	0.031	0.019	0.200	0.008	0	0	0	0.051	---	---	20
21	---	---	0.031	0.017	0.138	0.006	0	0	0	0.052	---	---	21
22	---	---	0.030	0.015	0.245	0.004	0	0	0	0.050	---	---	22
23	---	---	0.030	0.013	0.602	0.003	0	0	0	0.049	---	---	23
24	---	---	0.024	0.012	0.816	0.005	0	0	0	0.047	---	---	24
25	---	2.83 B	0.031	0.012	0.885	0.005	0	0	0.001	0.048	---	---	25
26	---	2.24	0.031	0.011	0.583	0.004	0	0	0.001	0.047	---	---	26
27	---	0.895	0.028	0.011	0.429	0.003	0	0	0	0.046	---	---	27
28	---	0.335	0.032	0.010	0.297	0.002	0	0	0	0.0426	---	---	28
29	---		0.034	0.009	0.122	0.005	0	0	0	0.0425	---	---	29
30	---		0.034	0.008	0.078	0.012	0	0	0	0.0422	---	---	30
31	---		0.035		0.083		0	0		0.0426			31
TOTAL	---	---	1.104	0.503	8.406	1.380	0.078	0	0.002	1.180	---	---	TOTAL
MEAN	---	---	0.055	0.017	0.207	0.045	0.002	0	0	0.038	---	---	MEAN
MAX	---	---	0.225	0.038	0.816	0.133	0.018	0	0.001	0.062	---	---	MAX
MIN	---	---	0.023	0.008	0.007	0.002	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.046
MAXIMUM DAILY, 0.816 ON MAY 24
MINIMUM DAILY, 0 ON JUL 11
MAXIMUM INSTANTANEOUS,
3.888 AT 10 30 MST ON FEB 25

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 05 N
LONG 111 24 10 W
DRAINAGE AREA, 100 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0.67
FEB	---	AUG	0
MAR	107	SEP	0.17
APR	43.5	OCT	102
MAY	553	NOV	---
JUN	118	DEC	---

TOTAL DISCHARGE, 970 dam³

MINISTIK LAKE NEAR NEW SAREPTA - STATION NO 05EB013

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	756.994	756.965	756.890	756.963	756.880	756.947	---	---	1
2	---	---	---	---	756.984	756.964	756.889	756.959	756.884	756.948	---	---	2
3	---	---	---	---	756.989	756.955	756.895	756.956	756.882	756.950	---	---	3
4	---	---	---	757.005A	756.987	756.941	756.894	756.965	756.875	756.959	---	---	4
5	---	---	---	---	756.983	756.939	756.905	756.967	756.872	756.964	---	---	5
6	---	---	---	---	756.978	756.939	756.893	756.972	756.867	756.987	---	---	6
7	---	---	---	---	756.971	756.937	756.889	756.970	756.882	756.981	---	---	7
8	---	---	756.964A	---	756.967	756.937	756.885	756.972	756.880	756.967	---	---	8
9	---	---	---	---	756.967	756.933	756.884	756.963	756.859	756.965	---	---	9
10	---	---	---	---	756.967	756.926	756.887	756.956	756.863	756.970	---	---	10
11	---	---	---	---	756.965	756.930	756.893	756.955	756.909	756.959	---	---	11
12	---	---	---	---	756.960	756.918	756.894	756.954	756.918	756.958	---	---	12
13	---	---	---	---	756.959	756.911	756.898	756.948	756.915	756.960	---	---	13
14	---	---	---	---	757.012	756.907	756.895	756.945	756.909	756.958	---	---	14
15	---	---	---	---	757.039	756.910	756.890	756.941	756.909	756.957	---	---	15
16	---	---	---	---	757.032	756.913	756.884	756.931	756.911	756.956	---	---	16
17	---	---	---	756.990A	757.031	756.914	756.915	756.927	756.912	756.956	---	---	17
18	---	---	---	---	757.030	756.911	756.942	756.925	756.908	756.954	---	---	18
19	---	---	---	---	757.028	756.924	756.944	756.926	756.905	756.953	---	---	19
20	---	---	---	---	757.022	756.927	756.946	756.914	756.904	756.952	---	---	20
21	---	---	---	---	757.022	756.927	756.943	756.916	756.904	756.954	---	---	21
22	---	---	---	---	757.018	756.920	756.939	756.906	756.904	756.949	---	---	22
23	---	---	---	---	757.015	756.916	756.946	756.904	756.897	756.945	---	---	23
24	---	---	---	---	757.005	756.911	756.952	756.906	756.893	756.947	---	---	24
25	---	---	---	---	757.001	756.910	756.956	756.900	756.900	756.947	---	---	25
26	---	---	---	---	756.996	756.916	756.953	756.900	756.921	756.947	---	---	26
27	---	---	---	---	756.996	756.906	756.954	756.896	756.930	756.951	---	---	27
28	---	---	---	---	756.992	756.901	756.961	756.896	756.934	756.947	---	---	28
29	---		---	---	756.983	756.894	756.970	756.895	756.935	756.945A	---	---	29
30	---		---	757.003A	756.983	756.892	756.969	756.894	756.940	756.945E	---	---	30
31	---		---		756.977		756.967	756.886		756.945E	---	---	31
MEAN	---	---	---	---	756.986	756.923	756.920	756.933	756.899	756.954	---	---	MEAN
MAX	---	---	---	---	757.039	756.966	756.970	756.972	756.940	756.970	---	---	MAX
MIN	---	---	---	---	756.959	756.892	756.884	756.886	756.859	756.945	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MAXIMUM DAILY, 757.039 ON MAY 15

MAXIMUM INSTANTANEOUS,
757.065 AT 11 38 MST ON MAY 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 19 47 N
LONG 113 03 20 W

A - MANUAL GAUGE

E - ESTIMATED

NOTED LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA
60.3 km²

MIQUELON LAKE AT PROVINCIAL PARK - STATION NO 05EB014

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	762.465	---	---	762.504	762.527	---	762.481	---	---	2
3	---	---	---	---	---	---	762.486	762.529	---	762.474	---	---	3
4	---	---	---	---	---	---	---	762.533	762.446	---	---	---	4
5	---	---	---	---	---	---	762.502	---	---	---	---	---	5
6	---	---	---	---	---	---	762.500	---	762.445	762.525	---	---	6
7	---	---	---	---	---	---	---	---	762.423	---	---	---	7
8	---	---	762.387	---	---	---	---	762.548	---	762.483	---	---	8
9	---	---	---	---	---	---	762.508	762.530	762.415	---	---	---	9
10	---	---	---	---	---	---	762.501	762.526	---	---	---	---	10
11	---	---	---	---	---	---	762.491	762.528	762.411	---	---	---	11
12	---	---	---	---	---	---	762.509	762.526	762.414	762.483	---	---	12
13	---	---	---	---	---	762.497	762.511	762.525	762.417	762.481	---	---	13
14	---	---	---	---	---	762.494	---	762.525	---	762.481	---	---	14
15	---	---	---	---	---	762.494	762.497	---	---	---	---	---	15
16	---	---	---	---	762.557	762.496	762.498	---	762.414	---	---	---	16
17	---	---	---	---	---	762.494	762.519	762.523	---	762.481	---	---	17
18	---	---	---	762.483	---	762.492	762.533	---	762.453	762.483	---	---	18
19	---	---	---	---	---	762.498	---	---	---	---	---	---	19
20	---	---	---	---	---	762.482	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	762.506	762.451	762.481	---	---	21
22	---	---	---	---	762.589	---	762.532	762.500	762.447	---	---	---	22
23	---	---	---	---	---	---	762.530	762.502	---	762.478	---	---	23
24	---	---	---	---	762.567	---	---	---	762.445	---	---	---	24
25	---	---	762.425	---	---	---	---	762.496	762.443	762.481	---	---	25
26	---	---	---	---	762.587	762.494	762.530	762.498	762.449	---	---	---	26
27	---	---	---	---	---	762.502	---	---	---	---	---	---	27
28	---	---	---	---	---	762.489	762.529	762.488	762.485	762.478	---	---	28
29	---	---	---	---	762.577	762.492	---	762.474	---	---	---	---	29
30	---	---	---	---	---	762.491	---	762.476	---	762.476	---	---	30
31	---	---	---	762.507	762.568	762.489	---	---	---	762.481	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 14 42 N
LONG 112 53 25 W

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA
38.3 km²

MISTAYA RIVER NEAR SASKATCHEWAN CROSSING - STATION NO 05DA007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.521B	0.650B	1.26 B	0.990B	1.28B	41.0A	21.9	11.8	15.3	3.30	2.37	1.03 B	1
2	0.530B	0.650B	1.20 B	0.950B	1.33B	41.0A	21.8	12.5	15.1	3.17	2.31	0.8309	2
3	0.541B	0.615B	1.15 B	0.930B	1.71B	35.7A	22.6	13.9	15.4	3.06	2.24	0.7788	3
4	0.542B	0.590B	1.04 B	0.910B	2.01	29.5E	19.4	15.9	15.2	2.96	2.18	0.8138	4
5	0.542B	0.585B	1.00 B	0.940B	2.19	26.1A	16.2	16.9	14.2	2.92	2.15	0.9218	5
6	0.548B	0.570B	0.930B	1.02 B	2.37	23.1A	14.1	16.1	11.9	3.01	2.10	0.8568	6
7	0.572B	0.565B	0.950B	1.10 B	2.52	24.4A	13.5	15.7	9.88	3.16	1.97 B	0.9278	7
8	0.600B	0.550B	0.950B	1.20 B	2.63	25.9A	14.8	16.4	8.76	3.27	1.86 B	0.8495	8
9	0.610B	0.540B	0.945B	1.33 B	2.78	23.4A	16.3	17.2	8.31	3.30	1.73 B	0.8715	9
10	0.600B	0.530B	0.940B	1.38 B	2.86	21.8A	16.8	17.3	8.34	3.23	1.68 B	0.8728	10
11	0.600B	0.535B	0.880B	1.31 B	2.82	22.5A	17.8	18.1	8.43	3.14	1.54 B	0.8768	11
12	0.595B	0.535B	0.875B	1.21 B	2.69	21.3E	17.9	18.5	7.44	3.01	1.47 B	0.9098	12
13	0.570B	0.520B	0.900B	1.13 B	2.57	19.5A	17.0	19.8	6.52	2.93	1.41 B	0.8578	13
14	0.590B	0.505B	0.910B	1.04 B	2.43	18.9A	16.0	20.0	5.86	2.84	1.35 B	0.8928	14
15	0.610B	0.500B	0.840B	1.02 B	2.25	21.9A	15.3	19.9	5.38	2.75	1.33 B	0.8859	15
16	0.600B	0.500B	0.780B	1.07 B	2.18	20.3A	14.5	17.5	5.30	2.67	1.32 B	0.8218	16
17	0.595B	0.490B	0.770B	1.09 B	2.20	18.8A	15.0	15.0	5.32	2.59	1.31 B	0.8429	17
18	0.595B	0.480B	0.755B	1.09 B	2.35	22.0	16.8	14.0	5.03	2.54	1.28 B	0.7098	18
19	0.595B	0.485B	0.780B	1.02 B	2.78	24.7	15.4	14.0	4.69	2.48	1.27 B	0.7808	19
20	0.600B	0.490B	0.830B	1.15 B	3.66	21.0	17.3	13.3	4.40	2.42	1.33 B	0.8309	20
21	0.590B	0.520B	0.810B	1.22 B	5.13	17.0	18.4	12.3	4.16	2.37	1.42 B	0.9078	21
22	0.590B	0.545B	0.780B	1.56 B	5.65	14.5	19.1	11.8	3.82	2.31	1.37 B	0.8998	22
23	0.590B	0.570B	0.800B	1.70 B	5.30	14.7	19.0	12.2	3.77	2.25	1.27 B	0.8788	23
24	0.580B	0.760B	0.824B	1.80 B	5.04	19.9	18.9	12.7	3.66	2.20	1.53 B	0.8688	24
25	0.570B	1.18 B	0.920B	1.58 B	5.40	23.1	18.2	12.8	3.67	2.19	1.46 B	0.8408	25
26	0.605B	1.25 B	0.980B	1.56 B	5.72	22.2	17.2	12.3	3.94	2.23	1.36 B	0.7748	26
27	0.642B	1.35 B	1.06 B	1.56 B	21.6	20.3	15.8	12.1	3.96	2.51	1.26 B	0.7768	27
28	0.705B	1.41 B	1.14 B	1.52 B	33.8A	19.5	14.8	13.0	3.78	2.70	1.10 B	0.7308	28
29	0.650B		1.13 B	1.43 B	40.2A	21.0	15.4	14.8	3.57	2.72	0.9468	0.7088	29
30	0.695B		1.12 B	1.35 B	41.0A	23.4	13.9	16.1	3.43	2.61	1.01 B	0.6748	30
31	0.695B		1.04 B		40.2E		12.1	15.6		2.60		0.5520	31
TOTAL	18.469	16.470	29.299	37.280	259.65	697.3	526.1	470.6	218.61	85.34	47.036	25.795	TOTAL
MEAN	0.595	0.680	0.945	1.24	8.38	23.2	17.0	15.2	7.29	2.75	1.57	0.832	MEAN
MAX	0.705	1.41	1.26	1.80	41.0	41.0	22.6	20.0	15.4	3.30	2.37	1.03	MAX
MIN	0.521	0.480	0.755	0.910	1.28	14.5	12.1	11.8	3.43	2.19	0.946	0.552	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.67
MAXIMUM DAILY, 41.0A ON MAY 30
MINIMUM DAILY, 0.480B ON FEB 18
MAXIMUM INSTANTANEOUS,
42.0E AT 06 35 MST ON JUN 2

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 53 00 N
LONG 116 41 20 W
DRAINAGE AREA, 249 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 600	JUL	45 500
FEB	1 500	AUG	40 700
MAR	2 530	SEP	18 900
APR	3 220	OCT	7 370
MAY	22 400	NOV	4 060
JUN	60 200	DEC	2 230

TOTAL DISCHARGE, 210 000 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS ESTIMATED FROM CHART TRACE

MITCHELL RESERVOIR NEAR ELKWATER - STATION NO 11AB055

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	34.986	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	34.871	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	33.988	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	32.883	---	---	---	---	---	---	---	---	---	---	5
6	---	---	35.205	---	34.851	---	---	---	---	---	---	---	6
7	---	---	35.144E	34.965	34.861E	34.885E	34.724E	34.240E	33.488E	33.942E	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	34.851	---	---	---	---	---	---	9
10	---	---	34.975	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	34.704	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	33.935	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	34.949	34.924E	34.885E	34.818E	34.450E	33.670E	33.471	33.932E	---	---	17
18	---	---	---	---	---	---	---	33.801	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	34.273	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	34.784	---	---	---	---	---	---	24
25	---	32.880	---	---	---	---	34.255	---	33.484	---	---	---	25
26	---	---	---	---	---	---	---	33.504	---	---	---	---	26
27	32.867	---	---	---	---	---	---	---	---	---	---	---	27
28	---	33.630E	34.976E	34.882E	---	34.766E	---	---	33.444E	---	---	---	28
29	---	---	---	34.876	34.870E	---	34.280E	33.502E	33.956	33.918E	---	---	29
30	---	---	---	---	---	---	---	---	---	---	---	---	30
31	---	---	---	34.874E	---	34.758E	---	---	33.954E	---	---	---	31
			34.930E		34.871E		34.255E	33.498E		33.913E			
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 35.205 ON MAR 6
MINIMUM DAILY, 32.883 ON FEB 5

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 28 28 N
LONG 110 05 24 W

E - ESTIMATED

REGULATED

DRAINAGE AREA,
80.3 km²

MONITOR CREEK NEAR CONSORT - STATION NO. 05GA011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.228B	0.010E	0.010	B	0	0.068	0	0	0	---	1
2	---	---	B 3898	0.008E	0.009	0	0	0.041	0	0	0	---	2
3	---	---	0.315B	0.004A	0.008	0	B	0.026	0	0	0	---	3
4	---	---	0.273B	0.007	0.008	B	0	0.009	0	0	0	---	4
5	---	---	B 244B	0.005	0.007	0	B	0.004	0	0.001	0B	---	5
6	---	---	0.205B	0.004	0.008	B	B	0.001	0	0.001	---	---	6
7	---	---	B 100B	0.003	0.009	0	B	0.001	0	0.002	---	---	7
8	---	---	0.060B	0.001	0.008	0	0	0.001	0	0.002	---	---	8
9	---	---	B 025B	0.001E	0.008	0	0	0.001	0	0.002	---	---	9
10	---	---	B 015B	0.001E	0.009	0	0.012	0.001	0	0.002	---	---	10
11	---	---	0.007B	0.001E	0.009	0	0.066	0.001	0	0.001	---	---	11
12	---	---	0.013B	0.001E	0.010	0	0.012	0.001	0	0.001	---	---	12
13	---	---	0.034B	0.001E	0.010	0	0.005	0.001	0	0	---	---	13
14	---	---	B 029B	0.001E	0.007	0	0.001	0.001	0	0	---	---	14
15	---	---	B 025B	0.001E	0.015	0	0.001	0	0	0	---	---	15
16	---	---	0.050B	0.001E	0.017	0	0.001	0	0	0	---	---	16
17	---	---	0.035B	0.001E	0.017	0	0.003	0	0	0	---	---	17
18	---	---	0.030B	0.001E	0.016	0	0.003	0	0	0	---	---	18
19	---	---	0.025B	0.001E	0.014	0.001	0.002	0	0	0	---	---	19
20	---	---	B 019B	0.001E	0.012	0.009	0.004	0	0	0	---	---	20
21	---	---	0.013B	0.001E	0.009	0.002	0.002	0	0	0	---	---	21
22	---	---	0.008B	0.001A	0.009	0.001	0.001	0	0	0	---	---	22
23	---	---	0.004B	0.001E	0.010	0	0.001	0	0	0	---	---	23
24	---	0B	0.002B	0.001E	0.009	0	0.001	0	0	0	---	---	24
25	---	0B	0.001B	0.001E	0.003E	0	0.001	0	0	0	---	---	25
26	---	0B	0.001B	0.001E	0.001E	0	0.001	0	0	0	---	---	26
27	---	0B	0.001B	0.001E	0 A	B	1 B%	0	0	0	---	---	27
28	---	0B	0.002B	0.001E	0	0	0.418	0	0	0	---	---	28
29	---		0.004B	0.009	0	0	0.213	0	0	0	---	---	29
30	---		0.010B	0.013	0	0	0.139	0	0	0	---	---	30
31	---		0.020B		0		0.080	0		0	---	---	31
TOTAL	---	---	2.187	0.082	0.252	0.013	2.607	0.157	0	0.012	---	---	TOTAL
MEAN	---	---	0.071	0.003	0.008	0	0.078	0.005	0	0	---	---	MEAN
MAX	---	---	0.389	0.013	0.017	0.009	1 E%	0.068	0	0.002	---	---	MAX
MIN	---	---	0.001	0.001	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.021
MAXIMUM DAILY, 1.44 ON JUL 27
MINIMUM DAILY, 0A ON MAY 27
MAXIMUM INSTANTANEOUS
5.33 AT 01 51 MST ON JUL 27

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 52 26 N
LONG 110 45 37 W
DRAINAGE AREA, 910 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	208
FEB	---	AUG	13.6
MAR	189	SEP	0
APR	7.08	OCT	1.04
MAY	21.8	NOV	---
JUN	1.12	DEC	---

TOTAL DISCHARGE, 442 dam³

MONITOR CREEK NEAR MONITOR - STATION NO. 05GA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.360B	0.052	0.008	0	0	0.003	0	0.025	0.001	---	1
2	---	---	0.760B	0.047	0.007	0	0	0.002	0	0.011	0.001	---	2
3	---	---	1.00 B	0.040	0.009	0	0	0.001	0	0.006	0.001	---	3
4	---	---	1.50 B	0.046	0.010	0	0	0.001	0	0.005	0.001	---	4
5	---	---	1.51 B	0.053	0.012	0	0	0.001	0	0.005	0.001A	---	5
6	---	---	1.32 B	0.069	0.016	0.002	0	0.001	0	0.004	---	---	6
7	---	---	0.509B	0.077	0.022	0.003	0	0.001	0	0.004	---	---	7
8	---	---	0.530B	0.070	0.020	0.002	0	0.001	0	0.003	---	---	8
9	---	---	0.329B	0.073	0.018	0	0	0	0	0.003	---	---	9
10	---	---	0.208B	0.102	0.019	0	0	0	0	0.003	---	---	10
11	---	---	0.160B	0.122	0.018	0	0	0	0	0.003	---	---	11
12	---	---	0.155B	0.106	0.020	0	0	B	0	0.002	---	---	12
13	---	---	0.170B	0.097	0.019	0	B	0	0	0.002	---	---	13
14	---	---	0.145	0.078	0.018	0	0	0	0.009	0.002	---	---	14
15	---	---	0.203	0.057	0.019	0	0	0	0.480	0.002	---	---	15
16	---	---	0.412	0.043	0.018	0	0.002	0	0.526	0.002	---	---	16
17	---	---	0.246	0.028	0.017	0	0.013	0	0.479	0.002	---	---	17
18	---	---	0.152	0.027	0.016	0	0.011	0	0.398	0.002	---	---	18
19	---	---	0.139	0.026	0.015	0	0.008	0	0.281	0.002	---	---	19
20	---	---	0.076	0.021	0.015	0	0.004	0	0.176	0.002	---	---	20
21	---	---	0.048	0.014	0.030	0	0.002	0	0.111	0.001	---	---	21
22	---	---	0.044	0.013	0.041	0	B	0	0.086	0.001	---	---	22
23	---	---	0.014	0.014	0.020	0	0	0	0.019	0.001	---	---	23
24	---	---	0.014	0.014	0.019	0	0	0	0.010	0.001	---	---	24
25	---	0 B	0.014	0.014	0.014	0	0	0	0.008	0.001	---	---	25
26	---	0 B	0.011	0.010	0.008	0	0.001	0	0.014	0.001	---	---	26
27	---	0.002B	0.017	0.010	0.002	0	0.020	0	0.018	0.001	---	---	27
28	---	0.050B	0.030	0.009	0.001	0	0.011	0	0.064	0.001	---	---	28
29	---		0.071	0.008	0	B	0.009	B	0.100	0.001	---	---	29
30	---		0.088	0.009	0	B	0.009	B	0.054	0.001	---	---	30
31	---		0.107		0		0.006	0		0.001	---	---	31
TOTAL	---	---	10.352	1.359	0.451	0.007	0.096	0.011	2.813	0.101	---	---	TOTAL
MEAN	---	---	0.334	0.045	0.015	0	0.003	B	0.094	0.003	---	---	MEAN
MAX	---	---	1.51	0.122	0.041	0.003	0.070	0.003	0.526	0.025	---	---	MAX
MIN	---	---	0.011	0.008	B	B	B	0	0	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.062
MAXIMUM DAILY, 1.51B ON MAR 5
MINIMUM DAILY, 0 ON MAY 29

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 58 10 N
LONG 110 34 30 W
DRAINAGE AREA, 1 440 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8.28
FEB	---	AUG	0.95
MAR	894	SEP	243
APR	117	OCT	8.73
MAY	39.0	NOV	---
JUN	0.60	DEC	---

TOTAL DISCHARGE, 1 310 dam³

MONTAGNEUSE RIVER NEAR HINES CREEK - STATION NO 07FD012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.7008	1.42	0.710	0.008	0.285	0.003	0.018	---	---	1
2	---	---	0 B	0.5988	1.25	0.492	0.004	0.237	0.004	0.018	---	---	2
3	---	---	0 B	0.5938	1.26	0.362	0.003	0.213	0.005	0.018	---	---	3
4	---	---	0 B	1.43 B	1.46	0.297	0.001	0.188	0.003	0.018	---	---	4
5	---	---	0 B	2.77 B	2.07	0.246	0.001	0.156	0.002	0.019	---	---	5
6	---	---	0 B	2.66 B	2.99	0.206	0	0.145	0.004	0.018	---	---	6
7	---	---	0 B	2.45 B	2.85	0.169	0	0.119	0.005	0.021	---	---	7
8	---	---	0 B	2.87 B	2.75	0.139	0	0.102	0.004	0.022	---	---	8
9	---	---	0 B	2.57 B	2.73	0.110	0	0.084	0.003	0.020	---	---	9
10	---	---	0 B	1.77 B	2.69	0.086	0	0.067	0.003	0.020	---	---	10
11	---	---	0 B	1.25 B	2.65	0.067	0	0.049	0.004	0.021	---	---	11
12	---	---	0 B	0.9008	3.12	0.055	0	0.050	0.006	0.022	---	---	12
13	---	---	0 B	0.8008	3.38	0.053	0	0.047	0.004	0.018	---	---	13
14	---	---	0 B	0.7008	3.41	0.039	0.008	0.035	0.004	0.017	---	---	14
15	---	---	0 B	0.640A	3.58	0.029	0.018	0.036	0.003	0.018	---	---	15
16	---	---	0 B	0.633	3.43	0.026	0.018	0.037	0.003	0.015	---	---	16
17	---	---	0 B	0.673	3.09	0.022	0.034	0.029	0.002	0.014	---	---	17
18	---	---	0 B	0.885	2.63	0.020	0.077	0.021	0.001	0.016	---	---	18
19	---	---	0 B	1.20	2.26	0.017	0.080	0.023	0	0.008	---	---	19
20	---	---	0 B	1.45	1.99	0.015	0.079	0.020	0	0.004	---	---	20
21	---	---	0 B	1.54	1.82	0.014	0.063	0.020	0	0.004	---	---	21
22	---	---	0 B	1.53	1.34	0.018	0.068	0.018	0.001	0.003	---	---	22
23	---	---	0 B	1.44	1.16	0.023	0.058	0.014	0.003	0.005	---	---	23
24	---	---	0 B	1.27	1.03	0.022	0.046	0.011	0.007	0.004	---	---	24
25	---	---	0 B	1.14	0.924	0.020	0.047	0.008	0.011	0.003	---	---	25
26	---	---	0.0028	1.03	0.839	0.018	0.085	0.003	0.013	0.002	---	---	26
27	---	0B	0.0858	0.974	0.733	0.016	0.154	0.003	0.014	0.002A	---	---	27
28	---	0B	0.2298	0.842	0.687	0.017	0.221	0.003	0.017	0.002E	---	---	28
29	---		0.7038	1.02	0.610	0.014	0.267	0.001	0.018	0.001E	---	---	29
30	---		0.8698	1.29	0.533	0.013	0.294	0	0.020	0.001E	---	---	30
31	---		0.8278		0.615		0.311	0.001		0.001E	---	---	31
TOTAL	---	---	2.805	39.959	50.581	3.337	1.947	2.003	0.168	0.370	---	---	TOTAL
MEAN	---	---	0.090	1.33	1.67	0.111	0.063	0.065	0.006	0.012	---	---	MEAN
MAX	---	---	0.869	2.97	3.58	0.710	0.311	0.285	0.020	0.022	---	---	MAX
MIN	---	---	0	0.593	0.533	0.013	0	0	0	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.455
MAXIMUM DAILY, 3.58 ON MAY 18
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
4.08B AT 15:00 MST ON APR 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 23 00 N
LONG 118 42 40 W
DRAINAGE AREA, 230 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	168
FEB	---	AUG	173
MAR	242	SEP	14.5
APR	3 450	OCT	32.0
MAY	5 270	NOV	---
JUN	288	DEC	---

TOTAL DISCHARGE, 9 540 dam³

MOORE LAKE NEAR COLD LAKE - STATION NO 06AC002

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	549.531E	549.581	549.534	549.593	549.515	549.455	---	---	1
2	---	---	---	---	549.531E	549.567	549.532	549.599	549.511	549.450	---	---	2
3	---	---	---	---	549.531E	549.569	549.521	549.596	549.505	549.448	---	---	3
4	---	---	---	---	549.531E	549.568	549.524	549.591	549.502	549.448	549.420A	---	4
5	---	---	---	---	549.531E	549.564	549.534	549.594	549.501	549.446	---	---	5
6	---	---	---	---	549.531A	549.557	549.533	549.592	549.500	549.447	---	---	6
7	---	---	---	---	549.530	549.556	549.533	549.591	549.498	549.445	---	---	7
8	---	---	---	---	549.530	549.553	549.535	549.583	549.496	549.443	---	---	8
9	---	---	---	---	549.529	549.550	549.534	549.590	549.494	549.442	---	---	9
10	---	---	---	---	549.530	549.550	549.534	549.588	549.493	549.437	---	---	10
11	---	---	---	---	549.533	549.545	549.533	549.589	549.510	549.437	---	---	11
12	---	---	---	---	549.534	549.545	549.532	549.584	549.515	549.438	---	---	12
13	---	---	---	---	549.543	549.545	549.541	549.582	549.516	549.436	---	---	13
14	---	---	---	---	549.547	549.545	549.554	549.575	549.512	549.438	---	---	14
15	---	---	---	---	549.547	549.543	549.562	549.586	549.502	549.438	---	---	15
16	---	---	---	---	549.550	549.537	549.564	549.562	549.488	549.441	---	---	16
17	---	---	---	---	549.554	549.537	549.573	549.562	549.500	549.440A	---	---	17
18	---	---	---	---	549.555	549.534	549.594	549.563	549.500	549.438E	---	---	18
19	---	---	---	---	549.555	549.538	549.598	549.552	549.501	549.435E	---	---	19
20	---	---	---	---	549.556	549.535	549.597	549.548	549.486A	549.433E	---	---	20
21	---	---	---	---	549.557	549.531	549.595	549.545	549.487A	549.430A	---	---	21
22	---	---	---	---	549.562	549.531	549.601	549.544	549.472A	549.428A	---	---	22
23	---	---	---	---	549.574	549.537	549.592	549.543	549.468A	549.431A	---	---	23
24	---	---	---	---	549.581	549.537	549.591	549.537	549.467	549.427A	---	---	24
25	---	---	---	---	549.584	549.538	549.589	549.533	549.465	549.421A	---	---	25
26	---	---	---	---	549.587	549.532	549.597	549.530	549.462	549.421E	---	---	26
27	---	---	---	---	549.584	549.533	549.600	549.532	549.455	549.421E	---	---	27
28	---	---	---	---	549.581	549.534	549.599	549.529	549.452	549.421E	---	---	28
29	---		---	---	549.585	549.533	549.594	549.527	549.454	549.421E	---	---	29
30	---		---	---	549.587	549.536	549.598	549.525	549.454	549.420E	---	---	30
31	---		---		549.584		549.600	549.522		549.420E	---	---	31
MEAN	---	---	---	---	549.553	549.545	549.585	549.564	549.480	549.435	---	---	MEAN
MAX	---	---	---	---	549.587	549.581	549.601	549.599	549.516	549.455	---	---	MAX
MIN	---	---	---	---	549.529	549.531	549.521	549.522	549.452	549.420	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 549.601 ON JUL 22

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 30 00 N
LONG 110 34 00 W

A - MANUAL GAUGE

E - ESTIMATED

DRAINAGE AREA,
42.2 km²

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

MOOSEHILLS CREEK NEAR ELK POINT - STATION NO 05ED003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.001B	0.506B	0.056	0.036	0.001	0.080	0.004	0.001	0.001B	---	1
2	---	---	0.001B	0.480B	0.117	0.034	0.001	0.104	0.004	0.001	0.001B	---	2
3	---	---	0.001B	0.450B	0.094	0.031	0.003	0.079	0.006	0.001	0.005B	---	3
4	---	---	0.001B	0.420B	0.105	0.026	0.024	0.084	0.005	0.001	---	---	4
5	---	---	0.001B	0.385B	0.118	0.023	0.052	0.110	0.005	0.001	---	---	5
6	---	---	0.001B	0.372B	0.173	0.016	0.083	0.108	0.002	0.001	---	---	6
7	---	---	0.001B	0.350B	0.125	0.009	0.048	0.117	0.005	0.001	---	---	7
8	---	---	0.001B	0.330B	0.084	0.008	0.014	0.096	0.007	0.002	---	---	8
9	---	---	0.001B	0.305B	0.081	0.010	0.002	0.078	0.004	0.001	---	---	9
10	---	---	0.001B	0.285B	0.106	0.007	0.001	0.067	0.004	0.001	---	---	10
11	---	---	0.001B	0.240B	0.101	0.011	0.017	0.052	0.002	0.001	---	---	11
12	---	---	0.001B	0.195B	0.105	0.017	0.144	0.022	0.003	0.001	---	---	12
13	---	---	0.003B	0.160B	0.121	0.020	0.274	0.001	0.002	0.001	---	---	13
14	---	---	0.005B	0.135B	0.146	0.014	1.01	0.004	0.002	0.001	---	---	14
15	---	---	0.007B	0.120B	0.257	0.013	1.25	0.008	0.002	0.001	---	---	15
16	---	---	0.010B	0.118B	0.307	0.002	0.772	0.008	0.002	0.001	---	---	16
17	---	---	0.014B	0.116	0.341	0.005	0.684	0.006	0.004	0.001	---	---	17
18	---	---	0.018B	0.113	0.785	0.009	1.02	0.006	0.003	0.001	---	---	18
19	---	---	0.026B	0.110	1.03	0.045	0.856	0.007	0.001	0.001	---	---	19
20	---	---	0.045B	0.106	0.771	0.051	0.382	0.008	0.001	0.001	---	---	20
21	---	---	0.065B	0.101	0.583	0.083	0.214	0.008	0.001	0.001	---	---	21
22	---	---	0.091B	0.096	0.491	0.045	0.112	0.009	0.001	0.001	---	---	22
23	---	---	0.116B	0.091	0.724	0.007	0.055	0.008	0.001	0.001	---	---	23
24	---	---	0.127B	0.087	0.654	0.109	0.027	0.008	0.001	0.001	---	---	24
25	---	---	0.139B	0.080	0.471	0.056	0.029	0.008	0.001	0.001	---	---	25
26	---	---	0.148B	0.047	0.342	0.040	0.016	0.007	0.001	0.001	---	---	26
27	---	---	0.155B	0.052	0.220	0.029	0.024	0.004	0.001	0.001	---	---	27
28	---	---	0.166B	0.047	0.201	0.012	0.015	0.003	0.004	0.001	---	---	28
29	---		0.182B	0.040	0.111	0.003	0.007	0.005	0.005	0.001	---	---	29
30	---		0.250B	0.033	0.087	0.001	0.014	0.005	0.003	0.001	---	---	30
31	---		0.350B		0.062		0.040	0.006		0.001B		---	31
TOTAL	---	---	1.930	5.960	8.947	0.751	7.007	1.118	0.087	0.032	---	---	TOTAL
MEAN	---	---	0.062	0.199	0.289	0.025	0.226	0.036	0.003	0.001	---	---	MEAN
MAX	---	---	0.350	0.506	1.03	0.109	1.25	0.117	0.007	0.002	---	---	MAX
MIN	---	---	0.001	0.033	0.056	0.001	0.001	0.001	0.001	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.105
MAXIMUM DAILY, 1.25 ON JUL 15
MINIMUM DAILY, 0.001B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.47 AT 02 02 MST ON JUL 15

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 56 03 N
LONG 110 45 36 W
DRAINAGE AREA, 36.5 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	805
FEB	---	AUG	96.6
MAR	167	SEP	7.52
APR	515	OCT	2.76
MAY	773	NOV	---
JUN	84.9	DEC	---

TOTAL DISCHARGE, 2 230 dam³

MOOSELAKE RIVER NEAR FRANCHERE - STATION NO 08AC006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0	0	0	0	0	0	0	0	0	0	0	1
2	0	0	0	0A	0	0	0	0	0	0	0	0	2
3	0	0	0	0	0	0	0	0	0	0	0	0	3
4	0	0	0	0	0	0	0	0	0	0	0	0	4
5	0	0	0	0	0	0	0	0	0	0	0	0	5
6	0	0	0	0	0	0	0	0	0	0	0A	0	6
7	0	0	0	0	0	0	0	0	0	0	0	0	7
8	0	0	0	0	0	0	0	0	0	0	0	0	8
9	0	0	0	0	0	0	0	0	0	0	0	0	9
10	0	0	0	0	0	0	0	0	0	0	0	0	10
11	0	0	0	0	0	0	0	0	0	0	0	0	11
12	0	0	0	0	0	0	0	0	0	0	0	0	12
13	0	0	0	0	0	0	0	0	0	0	0	0	13
14	0	0	0	0	0	0	0	0	0	0	0	0	14
15	0	0	0	0	0	0	0	0	0	0	0	0	15
16	0	0	0	0	0	0	0	0	0	0	0	0	16
17	0	0	0	0	0	0	0	0	0	0	0	0	17
18	0	0	0	0	0	0	0	0	0	0	0	0	18
19	0	0	0	0	0	0	0	0	0	0	0	0	19
20	0	0	0	0	0	0	0	0	0	0	0	0	20
21	0	0	0	0	0	0	0	0	0	0	0	0	21
22	0	0	0	0	0	0	0	0	0	0	0	0	22
23	0	0	0	0	0	0	0	0	0	0	0	0	23
24	0	0	0	0	0	0	0	0	0	0	0	0	24
25	0	0	0	0	0	0	0	0	0	0	0	0	25
26	0	0	0	0	0	0	0	0	0	0	0	0	26
27	0	0	0	0	0	0	0	0	0	0	0	0	27
28	0	0	0	0	0	0	0	0	0	0	0	0	28
29	0		0	0	0	0	0	0	0	0	0	0	29
30	0		0	0	0	0	0	0	0	0	0	0	30
31	0		0A		0		0	0		0		0	31
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	TOTAL
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	MEAN
MAX	0	0	0	0	0	0	0	0	0	0	0	0	MAX
MIN	0	0	0	0	0	0	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0 ON JAN 1
MINIMUM DAILY, 0 ON JAN 1

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 20 25 N
LONG 111 00 10 W
DRAINAGE AREA, 1 010 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	0
FEB	0	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	0
JUN	0	DEC	0

TOTAL DISCHARGE, 0 dam³

MOSQUITO CREEK NEAR THE MOUTH - STATION NO. 05AC031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.00 B	0.087	0.034	0.729	1.27	1.24	0.842	0.774	0.082	---	1
2	---	---	0.5008	0.082	0.028	0.827	1.10	1.15	0.547	0.740	0.085	---	2
3	---	---	0.2898	0.086	0.034	0.806	1.08	0.899	0.517	0.685	0.089	---	3
4	---	---	0.3208	0.088	0.064	0.825	1.07	0.831	0.539	0.435	0.0868	---	4
5	---	---	0.2958	0.092	0.115	1.00	1.11	0.802	0.559	0.425	---	---	5
6	---	---	0.2508	0.091	0.123	1.36	1.23	0.805	0.626	0.417	---	---	6
7	---	---	0.225	0.088	0.118	1.15	1.14	0.906	0.586	0.428	---	---	7
8	---	---	0.382	0.080	0.138	1.18	1.09	0.857	0.607	0.420	---	---	8
9	---	---	0.419	0.072	0.157	1.15	0.982	0.857	0.723	0.427	---	---	9
10	---	---	0.309	0.073	0.177	1.16	1.03	0.904	0.769	0.424	---	---	10
11	---	---	0.311	0.076	0.207	1.10	0.980	0.911	0.784	0.417	---	---	11
12	---	---	0.284	0.070	0.377	1.04	1.04	0.923	0.805	0.388	---	---	12
13	---	---	0.251	0.087	0.377	1.03	1.08	0.890	0.787	0.378	---	---	13
14	---	---	0.252	0.092	0.364	1.07	1.03	0.946	0.828	0.412	---	---	14
15	---	---	0.233	0.092	0.586	1.10	0.908	0.881	0.838	0.404	---	---	15
16	---	---	0.226	0.086	0.477	1.00	0.895	0.909	0.835	0.410	---	---	16
17	---	---	0.210	0.094	0.515	0.995	1.06	0.895	0.864	0.409	---	---	17
18	---	0 B	0.245	0.088	0.501	1.02	1.07	0.871	0.889	0.407	---	---	18
19	---	0 B	0.227	0.076	0.506	1.07	1.30	0.815	0.830	0.408	---	---	19
20	---	0 B	0.223	0.068	0.535	1.07	1.32	0.688	0.845	0.406	---	---	20
21	---	0 B	0.202	0.062	0.528	1.09	1.25	0.357	0.821	0.404	---	---	21
22	---	0 B	0.178	0.055	0.537	1.05	1.25	0.481	0.749	0.371	---	---	22
23	---	0 B	0.182	0.048	0.466	1.08	1.30	0.529	0.761	0.245	---	---	23
24	---	0 B	0.167	0.042	0.432	1.09	1.43	0.540	0.724	0.257	---	---	24
25	---	4.758	0.154	0.051	0.402	1.05	1.39	0.481	0.988	0.197	---	---	25
26	---	26.1 B	0.154	0.055	0.413	0.995	1.35	0.453	1.42	0.138	---	---	26
27	---	4.688	0.143	0.054	0.395	1.02	1.46	0.394	1.24	0.122	---	---	27
28	---	2.148	0.125	0.063	0.630	1.06	1.49	0.407	0.880	0.111	---	---	28
29	---		0.113	0.054	0.672	1.14	1.47	0.412	0.733	0.103	---	---	29
30	---		0.097	0.043	0.691	1.14	1.28	0.451	0.722	0.098	---	---	30
31	---		0.094		0.678		1.07	0.540		0.098	---	---	31
TOTAL	---	---	8.020	2.205	11.277	31.397	36.615	23.035	23.468	11.159	---	---	TOTAL
MEAN	---	---	0.259	0.074	0.364	1.05	1.18	0.743	0.782	0.360	---	---	MEAN
MAX	---	---	1.00	0.086	0.691	1.36	1.49	1.24	1.42	0.774	---	---	MAX
MIN	---	---	0.094	0.042	0.028	0.729	0.908	0.357	0.517	0.098	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.601
MAXIMUM DAILY, 1.49 ON JUL 28
MINIMUM DAILY, 0.028 ON MAY 2
MAXIMUM INSTANTANEOUS,
35.6 AT 08:03 MST ON FEB 26

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 15 20 N
LONG 113 33 15 W
DRAINAGE AREA, 838 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 160
FEB	---	AUG	1 980
MAR	693	SEP	2 030
APR	191	OCT	964
MAY	974	NOV	---
JUN	2 710	DEC	---

TOTAL DISCHARGE, 12 700 dam³

MOUNTAIN VIEW IRRIGATION DISTRICT CANAL - STATION NO. 05AD017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.045	0.032	1.48	1.97	2.01	2.09	0.055	0.024	---	1
2	---	---	---	0.045	0.033	1.47	1.93	1.97	2.08	0.058	0.027	---	2
3	---	---	---	0.043	0.036	1.44	1.84	1.97	2.08	0.046	0.028	---	3
4	---	---	---	0.041	0.112	1.42	1.94	1.96	1.70	0.044	0.024	---	4
5	---	---	---	0.039	0.108	1.44	1.91	1.97	1.11	0.040	0.027	---	5
6	---	---	---	0.039	0.095	1.40	1.87	2.01	0.820	0.036	0.031	---	6
7	---	---	---	0.037	0.085	1.37	1.85	1.95	0.606	0.034	0.027	---	7
8	---	---	---	0.037	0.052	1.35	1.84	1.94	0.609	0.046	0.024	---	8
9	---	---	---	0.038	0.049	1.36	1.82	2.28	0.658	0.042	0.020	---	9
10	---	---	---	0.040	0.046	1.33	1.81	2.45	0.640	0.060	0.007	---	10
11	---	---	---	0.042	0.043	1.28	2.10	2.44	0.634	0.046	0.008	---	11
12	---	---	---	0.038	0.040	1.27	2.42	2.44	0.638	0.041	0.0068	---	12
13	---	---	---	0.037	0.043	1.09	2.40	2.41	0.637	0.038	0.0068	---	13
14	---	---	---	0.040	0.046	0.994	2.38	2.40	0.629	0.034	0.0068	---	14
15	---	---	---	0.040	0.059	0.997	2.36	2.38	0.633	0.032	0.0088	---	15
16	---	---	---	0.034	0.093	0.995	2.38	2.37	0.634	0.031	0.0088	---	16
17	---	---	---	0.042	0.075	0.962	2.80	2.35	0.636	0.028	0.0058	---	17
18	---	---	---	0.039	0.056	0.971	3.00	2.32	0.687	0.025	0.0058	---	18
19	---	---	---	0.038	0.050	0.982	2.98	2.69	0.666	0.026	0.0058	---	19
20	---	---	---	0.038	0.046	0.988	2.98	2.82	0.268	0.025	0.0058	---	20
21	---	---	---	0.036	0.053	0.958	2.94	2.82	0.044	0.025	0.0058	---	21
22	---	---	---	0.037	0.045	0.940	2.97	2.73	0.041	0.025	0.0048	---	22
23	---	---	---	0.046	0.044	1.62	2.96	2.66	0.037	0.024	0.0048	---	23
24	---	---	---	0.046	0.042	1.83	2.87	2.59	0.034	0.025	0.0038	---	24
25	---	---	0.0328	0.047	0.041	1.88	2.85	2.56	0.052	0.024	0.0038	---	25
26	---	---	0.014	0.045	0.807	2.02	2.68	2.55	0.057	0.025	0.0028	---	26
27	---	---	0.021	0.040	1.44	2.02	2.49	2.60	0.042	0.018	0.0028	---	27
28	---	---	0.026	0.037	1.48	2.00	2.45	2.63	0.036	0.021	0.0028	---	28
29	---		0.032	0.038	1.54	2.01	2.44	2.17	0.034	0.021	0 B	---	29
30	---		0.036	0.033	1.54	2.02	2.40	1.88	0.033	0.020	0 B	---	30
31	---		0.044		1.51		2.33	2.10		0.025		---	31
TOTAL	---	---	---	1.197	9.730	41.957	74.27	72.42	18.654	1.040	0.322	---	TOTAL
MEAN	---	---	---	0.040	0.314	1.40	2.40	2.34	0.622	0.034	0.011	---	MEAN
MAX	---	---	---	0.047	1.54	2.02	3.00	2.82	2.09	0.060	0.031	---	MAX
MIN	---	---	---	0.033	0.032	0.940	1.81	1.88	0.033	0.018	0	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.900
MAXIMUM DAILY, 3.00 ON JUL 18
MINIMUM DAILY, 0B ON NOV 29

SUMMARY FOR THE MONTHS APR TO NOV

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 00 N
LONG 113 41 30 W

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6 420
FEB	---	AUG	6 260
MAR	---	SEP	1 610
APR	103	OCT	89.8
MAY	841	NOV	27.8
JUN	3 630	DEC	---

TOTAL DISCHARGE, 19 000 dam³

MUD LAKE DIVERSION CANAL - STATION NO. 05BF013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0858	6.86	2.56	1.35	1.07	0.316	0.321	---	1
2	---	---	---	---	0.1138	6.83	2.41	1.28	0.971	0.319	0.319	---	2
3	---	---	---	---	0.143	5.81	2.95	1.30	0.905	0.306	---	---	3
4	---	---	---	---	0.185	4.24	2.24	1.38	0.814	0.319	---	---	4
5	---	---	---	---	0.191	3.56	1.67	1.40	0.779	0.368	---	---	5
6	---	---	---	---	0.209	4.29	1.42	1.32	0.614	0.414	---	---	6
7	---	---	---	---	0.192	4.69	1.34	1.26	0.521	0.488	---	---	7
8	---	---	---	---	0.212	4.02	1.40	1.25	0.475	0.541	---	---	8
9	---	---	---	---	0.247	3.28	1.55	1.28	0.462	0.542	---	---	9
10	---	---	---	---	0.270	3.03	1.62	1.24	0.465	0.536	---	---	10
11	---	---	---	---	0.283	3.22	1.60	1.45	0.476	0.491	---	---	11
12	---	---	---	---	0.285	3.28	1.60	1.45	0.445	0.471	---	---	12
13	---	---	---	---	0.279	2.52	1.57	1.35	0.413	0.450	---	---	13
14	---	---	---	---	0.270	2.15	1.45	1.29	0.389	0.434	---	---	14
15	---	---	---	---	0.256	3.09	1.53	1.13	0.367	0.419	---	---	15
16	---	---	---	---	0.227	2.86	1.48	1.01	0.366	0.407	---	---	16
17	---	---	---	---	0.220	2.20	1.66	0.877	0.369	0.397	---	---	17
18	---	---	---	---	0.236	2.80	1.72	0.865	0.343	0.386	---	---	18
19	---	---	---	---	0.286	3.20	1.86	0.927	0.318	0.376	---	---	19
20	---	---	---	---	0.406	2.41	1.92	0.827	0.307	0.368	---	---	20
21	---	---	---	---	0.678	1.72	1.82	0.737	0.287	0.361	---	---	21
22	---	---	---	---	1.00	1.40	1.72	0.698	0.264	0.345	---	---	22
23	---	---	---	---	1.03	1.38	1.85	0.709	0.253	0.332	---	---	23
24	---	---	---	---	0.951	2.06	1.72	0.740	0.250	0.319	---	---	24
25	---	---	---	---	1.19	2.93	1.51	0.684	0.266	0.314	---	---	25
26	---	---	---	---	2.59	2.48	1.41	0.650	0.326	0.308	---	---	26
27	---	---	---	---	5.97	2.08	1.41	0.665	0.307	0.405	---	---	27
28	---	---	---	---	9.68	1.90	1.35	0.738	0.272	0.447	---	---	28
29	---		---	---	12.1	2.15	1.69	0.849	0.253	0.387	---	---	29
30	---		---	---	10.7	2.94	1.73	1.14	0.290	0.375	---	---	30
31	---		---		8.21		1.49	1.34		0.356		---	31
TOTAL	---	---	---	---	58.694	95.42	53.25	33.186	13.637	12.297	---	---	TOTAL
MEAN	---	---	---	---	1.89	3.18	1.72	1.07	0.455	0.397	---	---	MEAN
MAX	---	---	---	---	12.1	6.86	2.95	1.45	1.07	0.542	---	---	MAX
MIN	---	---	---	---	0.085	1.38	1.34	0.650	0.250	0.308	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAY TO OCT

MEAN, 1.45
MAXIMUM DAILY, 12.1 ON MAY 29
MINIMUM DAILY, 0.0858 ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 47 30 N
LONG 115 18 00 W
DRAINAGE AREA, 29.0 km²

B - ICE CONDITIONS

REGULATED SINCE 1949

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 600
FEB	---	AUG	2 870
MAR	---	SEP	1 180
APR	---	OCT	1 060
MAY	5 070	NOV	---
JUN	8 240	DEC	---

TOTAL DISCHARGE, 23 000 dam³

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

MURIEL LAKE AT GURNEYVILLE - STATION NO. 06AC007

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	559.160	559.164	---	559.156	559.227	559.296	559.227	559.288	559.190	559.138	559.101	559.109	1
2	559.160	559.167	---	559.159	559.225	559.286	559.223	559.288	559.189	559.129	559.107	559.108	2
3	559.160	559.170	---	559.158	559.224	559.283	559.223	559.287	559.181	559.126	559.110	559.107	3
4	559.157	559.164	---	559.161	559.225	559.282	559.213	559.287	559.181	559.131	559.100	559.108	4
5	559.157	559.162	---	559.165	559.224	559.286	559.225	559.288	559.172	559.125	559.109	559.108	5
6	559.157A	559.164	---	559.165	559.225	559.282	559.224	559.290	559.171	559.126	559.110	559.109	6
7	---	559.164	---	559.171	559.225	559.279	559.223	559.289	559.169	559.133	559.110	559.111	7
8	---	---	---	559.172	559.225	559.276	559.222	559.281	559.168	559.118	559.105	559.107	8
9	---	---	---	559.170	559.224	559.272	559.220	559.282	559.167	559.121	559.105	559.107	9
10	---	---	---	559.176	559.223	559.273	559.224	559.278	559.162	559.121	559.104	559.107	10
11	---	---	---	559.184	559.228	559.264	559.230	559.274	559.171	559.110	559.104	559.109	11
12	---	---	---	559.185	559.227	559.258	559.236	559.273	559.162	559.116	559.103A	559.108	12
13	---	---	---	559.186	559.230	559.262	559.247	559.269	559.159	559.116	---	559.109	13
14	559.135A	---	---	559.187	559.242	559.258	559.267	559.261	559.150	559.115	---	559.107	14
15	559.134	---	---	559.185	559.262	559.253	559.273	559.243	559.151	559.115	---	559.109	15
16	559.133	---	---	559.185	559.261	559.249	559.279	559.245	559.154	559.116	---	559.109	16
17	559.134	---	---	559.187	559.261	559.248	559.284	559.239	559.151	559.117	---	559.108	17
18	559.134	---	---	559.187	559.265	559.250	559.292	559.240	559.148	559.116	---	559.107	18
19	559.134	---	---	559.187	559.268	559.248	559.294	559.236	559.146	559.114	---	559.106	19
20	559.137	---	---	559.191	559.271	559.240	559.293	559.229	559.148	559.116	---	559.107	20
21	559.140	---	559.084A	559.196	559.274	559.233	559.294	559.227	559.146	559.114	---	559.107	21
22	559.145A	---	559.076	559.193	559.279	559.237	559.294	559.222	559.144	559.112	---	559.103	22
23	---	---	559.081	559.196	559.282	559.235	559.291	559.222	559.145	559.105	---	559.104	23
24	---	559.164A	559.083	559.198	559.286	559.242	559.284	559.218	559.144	559.108	559.110A	559.104	24
25	---	---	559.087	559.199	559.300	559.241	559.283	559.210	559.151	559.111	559.112	559.107	25
26	---	---	559.089	559.200	559.303	559.234	559.282	559.207	559.145	559.107	559.111	559.106	26
27	559.146A	---	559.091	559.198	559.305	559.237	559.283	559.206	559.132	559.107	559.111	559.106	27
28	559.156	---	559.100	559.199	559.304	559.233	559.277	559.206	559.133	559.114	559.110	559.106	28
29	559.158		559.106	559.201	559.305	559.232	559.276	559.204	559.138	559.105	559.110	559.106	29
30	559.160		559.128	559.210	559.304	559.229	559.288	559.204	559.141	559.107	559.112	559.111	30
31	559.164		559.152		559.299		559.290	559.188		559.098		559.108	31
MEAN	---	---	---	559.184	559.259	559.257	559.260	559.248	559.157	559.116	---	559.107	MEAN
MAX	---	---	---	559.210	559.305	559.296	559.294	559.290	559.190	559.138	---	559.111	MAX
MIN	---	---	---	559.156	559.223	559.229	559.213	559.198	559.132	559.098	---	559.103	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MAXIMUM DAILY, 559.305 ON MAY 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 08 15 N
LONG 110 45 05 W

A - MANUAL GAUGE

NATURAL FLOW

DRAINAGE AREA, 464 km²

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

MUSKEG CREEK NEAR WESTEROSE - STATION NO. 07FA012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.333	0.648	0.111	0.037	0.380	0.021	0.240	---	---	1
2	---	---	---	0.233	0.430	0.090	0.058	0.256	0.006	0.698	---	---	2
3	---	---	---	0.209	0.300	0.083	0.068	0.236	0.006	0.680	---	---	3
4	---	---	1.58 E	0.164	0.276	0.072	0.068	0.207	0.011	0.483	---	---	4
5	---	---	---	0.163	0.279	0.088	0.098	0.416	0.041	0.831	---	---	5
6	---	---	---	0.214	0.237	0.080	0.113	2.11	0.052	0.686	---	---	6
7	---	---	---	0.211	0.232	0.072	0.122	1.73	0.062	0.388	---	---	7
8	---	---	---	0.181	0.213	0.072	0.113	0.464	0.046	0.259	---	---	8
9	---	---	---	0.151	0.206	0.059	0.126	0.305	0.011	0.207	---	---	9
10	---	---	0.1360	0.213	0.221	0.055	0.471	0.218	0.012	0.189	---	---	10
11	---	---	---	0.181	0.284	0.044	0.507	0.184	0.023	0.152	---	---	11
12	---	---	---	0.1436	0.303	0.043	0.336	0.181	0.055	0.204	---	---	12
13	---	---	---	0.1256	0.359	0.034	0.285	0.218	0.089	0.172	---	---	13
14	---	---	0.1360	0.1068	0.560	0.041	0.305	0.164	0.059	0.176	---	---	14
15	---	---	---	0.088	1.24	0.062	0.210	0.138	0.046	0.174	---	---	15
16	---	---	---	0.093	2.30	0.103	0.155	0.105	0.062	0.153	---	---	16
17	---	---	---	0.106	4.19	0.118	1.31	0.087	0.141	0.186	---	---	17
18	---	---	---	0.157	4.59	0.086	18.7	0.078	0.057	0.167	---	---	18
19	---	---	---	0.249	3.24	0.071	7.72	0.066	0.063	0.098	---	---	19
20	---	---	0.7504	0.262	1.73	0.064	3.90	0.045	0.065	0.114	---	---	20
21	---	---	1.36	0.206	1.03	0.077	1.64	0.042	0.062	0.129	---	---	21
22	---	---	0.758	0.232	1.06	0.055	0.501	0.037	0.053	0.136	---	---	22
23	---	---	0.555	0.255	0.922	0.041	2.07	0.036	0.102	0.150	---	---	23
24	---	---	0.5076	0.287	0.667	0.035	1.61	0.041	0.114	0.184	---	---	24
25	---	---	0.4202	0.226	0.508	0.056	0.786	0.052	0.242	0.150	---	---	25
26	---	---	0.332	0.207	0.412	0.055	0.754	0.062	0.543	0.117	---	---	26
27	---	---	0.601	0.161	0.342	0.042	0.620	0.048	0.431	0.114	---	---	27
28	---	---	0.554	0.165	0.251	0.033	0.554	0.044	0.364	0.131	---	---	28
29	---	---	0.573	0.315	0.236	0.034	2.27	0.049	0.269	0.118	---	---	29
30	---	---	0.772	0.535	0.180	0.037	1.85	0.063	0.241	0.1224	---	---	30
31	---	---	0.492		0.147		0.677	0.066		0.1206	---	---	31
TOTAL	---	---	---	6.373	26.161	1.535	46.784	8.127	3.442	7.845	---	---	TOTAL
MEAN	---	---	---	0.212	0.806	0.065	1.57	0.262	0.115	0.253	---	---	MEAN
MAX	---	---	---	0.535	4.59	0.118	18.7	2.11	0.543	0.831	---	---	MAX
MIN	---	---	---	0.088	0.147	0.033	0.037	0.037	0.006	0.098	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.485
MAXIMUM DAILY 18.7 ON JUL 18
MINIMUM DAILY 0.006 ON SEP 2
MAXIMUM INSTANTANEOUS
36.8 AT 02 15 MST ON JUL 18

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 52 06 N
LONG 113 57 27 W
DRAINAGE AREA 87.6 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 220
FEB	---	AUG	702
MAR	---	SEP	297
APR	551	OCT	676
MAY	2 430	NOV	---
JUN	168	DEC	---

TOTAL DISCHARGE 8 050 dam³

MUSKEG RIVER NEAR FORT MACKAY - STATION NO. 07DA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.3000	0.2710	0.2640	1.500	5.35	12.6	12.9	13.5	1.87	1.08	1.66 B	0.6500	1
2	0.2880	0.2710	0.2640	2.040	5.64	13.1	12.2	13.4	1.88	1.05	1.56 B	0.5600	2
3	0.2960	0.2710	0.2640	2.160	10.4	12.3	11.2	13.7	1.99	1.04	1.50 B	0.6650	3
4	0.2950	0.2700	0.2640	2.320	11.2	11.6	10.2	11.5	1.94	1.05	1.47 B	0.6550	4
5	0.2940	0.2700	0.2640	2.450	11.6	10.8	10.5	10.2	1.86	1.05	1.40 B	0.6400	5
6	0.2940	0.2700	0.2640	2.700	12.4	9.81	11.6	9.28	1.72	1.11	1.34 B	0.6350	6
7	0.2940	0.2700	0.2640	3.000	12.8	9.07	12.3	8.65	1.65	1.56	1.31 B	0.6250	7
8	0.2940	0.2700	0.2650	3.250	13.1	8.44	12.7	7.83	1.59	2.07	1.23 B	0.6100	8
9	0.2940	0.2700	0.2800	3.500	13.4	7.86	12.5	7.19	1.52	2.02	1.16 B	0.6000	9
10	0.2920	0.2700	0.2900	4.510	14.2	7.36	13.1	6.64	1.47	1.99	1.14 B	0.5950	10
11	0.2900	0.2700	0.3000	4.900	15.3	6.76	13.2	6.00	1.35	1.95	1.10 B	0.5850	11
12	0.2810	0.2650	0.3200	5.000	16.2	6.20	13.6	5.36	1.33	1.91	1.07 B	0.5750	12
13	0.2870	0.2650	0.3400	4.250	17.1	5.72	13.5	4.84	1.27	1.91	1.03 B	0.5700	13
14	0.2860	0.2680	0.3600	3.500	17.5	5.35	12.8	4.36	1.22	1.86	1.00 B	0.5600	14
15	0.2850	0.2680	0.3600	3.150	17.7	5.00	12.8	3.86	1.18	1.83	0.9800	0.5500	15
16	0.2840	0.2680	0.4000	2.800	17.5	4.66	12.8	3.72	1.15	1.81	0.9500	0.5450	16
17	0.2830	0.2670	0.4200	2.720	18.0	4.50	13.1	3.54	1.14	1.78	0.9300	0.5400	17
18	0.2820	0.2670	0.4800	2.650	17.7	4.33	13.2	3.27	1.13	1.76	0.9000	0.5300	18
19	0.2810	0.2670	0.5300	3.000	17.3	4.42	13.1	3.21	1.12	1.68	0.8900	0.5250	19
20	0.2800	0.2660	0.5800	3.400	16.8	5.87	14.2	3.33	1.11	1.64	0.8700	0.5200	20
21	0.2800	0.2660	0.6200	3.800	16.2	6.02	14.6	3.36	1.05	1.63	0.8500	0.5100	21
22	0.2800	0.2650	0.6500	4.400	15.7	10.0	14.6	3.32	1.07	1.60	0.8200	0.5050	22
23	0.2790	0.2650	0.7800	5.000	15.8	11.6	14.4	3.08	1.07	1.57	0.8100	0.5000	23
24	0.2780	0.2650	0.8200	5.850	16.5	12.7	14.3	2.92	1.07	1.56	0.7900	0.4950	24
25	0.2770	0.2640	0.9100	7.000	17.1	13.5	14.4	2.85	1.08	1.51	0.7700	0.4900	25
26	0.2760	0.2640	1.00 B	8.47	17.1	13.9	14.3	2.66	1.07	1.45	0.7600	0.4850	26
27	0.2750	0.2640	1.10 B	8.49	17.0	14.1	14.0	2.46	1.07	1.378	0.7450	0.4750	27
28	0.2740	0.2640	1.22 B	8.82	16.7	14.2	13.3	2.37	1.07	1.510	0.7300	0.4700	28
29	0.2730		1.35 B	9.15	16.2	14.1	12.3	2.34	1.07	1.868	0.7200	0.4650	29
30	0.2720		1.50 B	9.24	15.4	13.8	12.2	2.15	1.07	1.808	0.7000	0.4600	30
31	0.2710		1.70 B		14.5		13.3	2.01		1.748		0.4550	31
TOTAL	8.833	7.455	18.483	134.18	467.55	282.62	404.6	172.26	40.25	50.76	31.255	17.204	TOTAL
MEAN	0.285	0.266	0.596	4.47	15.1	9.42	13.1	5.56	1.34	1.64	1.04	0.555	MEAN
MAX	0.300	0.271	1.70	9.24	18.0	14.2	14.6	13.5	1.88	2.07	1.66	0.680	MAX
MIN	0.271	0.264	0.264	1.80	9.35	4.33	10.3	2.01	1.06	1.04	0.700	0.456	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 8.46
MAXIMUM DAILY 18.0 ON MAY 17
MINIMUM DAILY 0.2640 ON FEB 25
MAXIMUM INSTANTANEOUS
18.1 AT 21 52 MST ON MAY 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 11 30 N
LONG 111 34 05 W
DRAINAGE AREA 1 460 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	763	JUL	25 000
FEB	648	AUG	14 800
MAR	1 600	SEP	3 480
APR	11 600	OCT	4 390
MAY	40 600	NOV	2 700
JUN	24 400	DEC	1 490

TOTAL DISCHARGE 141 000 dam³

MUSKEG RIVER NEAR GRANDE CACHE - STATION NO. 07GA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.830	1.370	1.20 e	1.120	3.26	29.9	7.76	12.7	3.59	10.2	4.61	2.220	1
2	1.700	1.270	1.14 e	1.220	3.33	27.4	7.50	11.6	3.52	9.41	4.61	1.730	2
3	1.600	1.260	1.11 e	1.290	4.10	22.5	7.18	11.0	3.59	8.59	4.35	1.680	3
4	1.610	1.260	1.06 e	1.370	4.23	19.5	6.87	12.8	4.77	10.2	4.22	1.580	4
5	1.250	1.240	1.00 e	1.430	5.63	18.3	8.42	12.6	5.41	14.6	4.06	1.500	5
6	1.320	1.220	0.9500	1.580	8.83	19.9	10.4	11.1	5.62	18.1	3.920	1.650	6
7	1.310	1.200	0.9300	1.950	9.15	23.3	13.3	9.77	4.88	15.0	3.040	1.800	7
8	1.320	1.280	0.9000	1.740	8.54	21.4	13.1	8.65	4.46	14.1	2.410	1.950	8
9	1.340	1.280	0.8700	1.840	10.2	19.0	13.7	7.93	4.23	12.7	2.000	2.150	9
10	1.260	1.240	0.8500	1.920	9.82	17.1	12.1	7.26	4.16	11.5	2.260	2.250	10
11	1.280	1.220	0.8400	1.880	9.60	18.5	10.9	6.87	4.51	10.4	2.470	2.100	11
12	1.400	1.190	0.8300	2.070	8.67	16.3	9.76	6.71	4.86	9.52	2.650	2.000	12
13	1.420	1.170	0.8400	2.140	8.26	15.0	9.03	6.38	4.74	8.83	2.800	2.470	13
14	1.430	1.140	0.8500	2.200	7.69	14.0	8.36	6.01	4.54	8.30	3.100	2.425	14
15	1.440	1.120	0.8500	2.150	7.09	16.9	8.50	5.64	4.48	7.94	3.050	2.370	15
16	1.650	1.100	0.8800	2.200	7.05	16.5	20.0	5.38	4.51	7.52	2.960	2.360	16
17	1.650	1.080	0.8500	4.210	8.30	16.8	24.3	5.17	4.43	7.19	2.950	1.980	17
18	1.440	1.070	0.8400	2.430	12.1	13.5	67.2	4.95	4.34	6.91	2.570	1.940	18
19	1.430	1.060	0.8300	2.550	10.0	13.3	61.6	5.29	4.19	6.62	3.020	1.940	19
20	1.430	1.050	0.8300	2.770	20.3	11.7	46.0	5.18	4.08	6.36	3.120	1.630	20
21	1.620	1.050	0.8200	3.150	23.9	10.5	33.7	4.81	4.00	6.13	3.270	1.480	21
22	1.610	1.060	0.8000	3.500	19.6	10.0	27.2	4.55	3.93	5.86	3.400	1.770	22
23	1.610	1.070	0.7600	2.750	15.8	9.63	30.1	4.31	3.90	5.56	3.550	1.690	23
24	1.600	1.090	0.7400	3.500	16.2	9.31	31.5	4.22	3.85	5.30	3.500	1.660	24
25	1.600	1.100	0.7230	3.200	15.1	9.21	26.7	4.22	4.22	5.18	3.470	1.690	25
26	1.610	1.120	0.7300	3.230	28.7	8.26	22.6	4.09	4.35	5.03	3.940	1.670	26
27	1.620	1.140	0.7400	3.640	43.3	7.77	20.0	3.96	10.1	5.12	2.630	1.840	27
28	1.630	1.160	0.8000	3.540	42.6	7.41	18.5	3.81	8.31	5.13	2.110	1.880	28
29	1.620		0.8500	3.84	30.7	7.43	16.5	3.74	6.77	4.98	2.050	1.780	29
30	1.600		0.8400	3.53	25.9	7.93	15.9	3.76	10.5	4.74	2.240	1.780	30
31	1.280		1.03 e		32.9		14.4	3.64		3.47		1.560	31
TOTAL	44.21	33.15	27.393	73.06	497.24	461.85	432.86	209.44	157.95	261.05	92.87	59.14	TOTAL
MEAN	1.43	1.18	0.884	2.44	16.0	15.4	20.4	6.76	5.27	8.42	3.10	1.91	MEAN
MAX	1.83	1.37	1.20	3.84	43.3	29.9	67.2	12.8	10.5	18.1	4.61	2.47	MAX
MIN	1.31	1.06	0.723	1.12	3.33	7.41	6.87	3.64	3.52	3.47	2.00	1.48	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.99
MAXIMUM DAILY, 67.2 ON JUL 18
MINIMUM DAILY, 0.7230 ON MAR 25
MAXIMUM INSTANTANEOUS,
73.2 AT 16:25 MST ON JUL 18

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 55 32 N
LONG 119 46 52 W
DRAINAGE AREA, 706 km²

e - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 820	JUL	54 700
FEB	2 870	AUG	18 100
MAR	2 370	SEP	13 600
APR	6 310	OCT	22 600
MAY	43 000	NOV	8 030
JUN	39 900	DEC	5 110

TOTAL DISCHARGE, 220 000 dam³

NAMEPI CREEK NEAR THE MOUTH - STATION NO. 05EC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0208	0.16	0.176	0.025	0.005	0.556	0.012	0.017	---	---	1
2	---	---	0.0258	3.33	0.172	0.021	0.006	0.535	0.010	0.012	---	---	2
3	---	---	0.0208	2.62	0.165	0.016	0.011	0.519	0.009	0.010	---	---	3
4	---	---	0.0208	2.05	0.164	0.012	0.012	0.500	0.004	0.010	---	---	4
5	---	---	0.0188	1.90	0.160	0.010	0.018	0.480	0.004	0.010	---	---	5
6	---	---	0.0158	1.71	0.162	0.009	0.019	0.395	0.004	0.018	---	---	6
7	---	---	0.0138	1.35	0.164	0.011	0.004	0.283	0.004	0.017	---	---	7
8	---	---	0.0118	1.02	0.166	0.017	0.004	0.224	0.004	0.018	---	---	8
9	---	---	0.0089	0.706	0.166	0.021	0.012	0.184	0.004	0.017	---	---	9
10	---	---	0.0078	0.671	0.170	0.010	0.015	0.156	0.005	0.016	---	---	10
11	---	---	0.0058	0.515	0.161	0.006	0.023	0.108	0.010	0.014	---	---	11
12	---	---	0.0038	0.397	0.151	0.006	0.025	0.086	0.012	0.014	---	---	12
13	---	---	0.0028	0.291	0.142	0.007	0.034	0.078	0.010	0.016	---	---	13
14	---	---	0.0038	0.229	0.130	0.006	0.055	0.062	0.007	0.014	---	---	14
15	---	---	0.0038	0.180	0.154	0.005	0.043	0.044	0.005	0.014	---	---	15
16	---	---	0.0030	0.164	0.134	0.005	0.059	0.035	0.004	0.014	---	---	16
17	---	---	0.1508	0.150	0.128	0.005	0.103	0.022	0.004	0.014	---	---	17
18	---	---	0.5000	0.192	0.125	0.005	0.237	0.017	0.004	0.013	---	---	18
19	---	---	1.86 e	0.190	0.119	0.008	12.1	0.015	0.004	0.015	---	---	19
20	---	---	2.26 e	0.200	0.107	0.014	33.0	0.016	0.004	0.011	---	---	20
21	---	---	2.30 e	0.200	0.102	0.015	3.12	0.012	0.004	0.013	---	---	21
22	---	---	2.16 e	0.200	0.121	0.009	1.65	0.013	0.004	0.014	---	---	22
23	---	---	2.72 e	0.200	0.092	0.006	1.57	0.027	0.015	0.011	---	---	23
24	---	---	2.01 e	0.200	0.089	0.013	1.14	0.028	0.033	0.007	---	---	24
25	---	---	2.23 e	0.200	0.067	0.018	0.821	0.037	0.045	0.008	---	---	25
26	---	---	1.40 e	0.185	0.041	0.020	0.729	0.035	0.061	0.007	---	---	26
27	---	---	1.25 e	0.182	0.045	0.019	0.743	0.019	0.053	0.008	---	---	27
28	---	---	2.07 e	0.188	0.053	0.014	0.655	0.017	0.034	0.010	---	---	28
29	---	---	5.48 e	0.180	0.038	0.012	0.606	0.021	0.026	0.011	---	---	29
30	---	---	6.23 e	0.180	0.043	0.011	0.532	0.020	0.025	0.013e	---	---	30
31	---	---	6.27 e		0.032		0.533	0.011		0.012e	---	---	31
TOTAL	---	---	26.276	25.005	3.706	0.360	57.431	4.534	0.426	0.386	---	---	TOTAL
MEAN	---	---	1.27	0.834	0.119	0.012	1.85	0.146	0.014	0.013	---	---	MEAN
MAX	---	---	6.27	5.16	0.176	0.025	33.0	0.556	0.061	0.018	---	---	MAX
MIN	---	---	0.003	0.180	0.032	0.005	0.004	0.011	0.004	0.007	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.535
MAXIMUM DAILY, 33.0 ON JUL 20
MINIMUM DAILY, 0.0030 ON MAR 12
MAXIMUM INSTANTANEOUS,
42.1 AT 06:05 MST ON JUL 20

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 01 50 N
LONG 119 51 35 W
DRAINAGE AREA, 730 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 960
FEB	---	AUG	393
MAR	3 280	SEP	26.8
APR	2 160	OCT	28.2
MAY	320	NOV	---
JUN	31.1	DEC	---

TOTAL DISCHARGE, 11 200 dam³

NEW WEST COULEE NEAR THE MOUTH - STATION NO 05BN006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0408	0.002	0	1.29	4.56	3.47	3.35	0.622	0.043	---	1
2	---	---	0.0288	0.001	0	1.37	4.42	3.53	3.04	1.15	0.022	---	2
3	---	---	0.0229	0.002	0	2.06	4.40	3.74	2.15	1.36	0.0694	---	3
4	---	---	0.0218	0.001	0.001	2.14	4.36	3.83	1.72	1.24	---	---	4
5	---	---	0.0158	0.001	0.008	2.62	4.37	3.66	2.06	1.37	---	---	5
6	---	---	0.0108	0.001	0.020	3.05	4.84	4.00	1.85	1.36	---	---	6
7	---	---	0.0068	0.002	0.012	3.63	4.45	3.90	1.55	1.13	---	---	7
8	---	---	0.0118	0.004	0.005	3.43	2.94	3.76	1.45	0.805	---	---	8
9	---	---	0.0108	0	0.023	3.47	4.20	3.86	1.54	0.632	---	---	9
10	---	---	0.006	0.001	0.091	3.30	4.26	3.85	1.31	0.520	---	---	10
11	---	---	0.005	0.001	0.201	3.11	4.08	3.56	1.28	0.324	---	---	11
12	---	---	0.003	0.001	0.282	3.13	4.43	3.55	1.14	0.192	---	---	12
13	---	---	0.004	0.001	0.342	2.96	4.74	3.69	1.21	0.125	---	---	13
14	---	---	0.003	0.001	0.470	2.73	5.15	3.64	1.34	0.111	---	---	14
15	---	---	0.001	0.002	0.231	2.96	4.01	3.74	1.26	0.141	---	---	15
16	---	---	0.002	0.001	0.235	3.24	3.67	3.58	1.23	0.141	---	---	16
17	---	---	0.003	0.001	0.172	3.26	3.55	3.52	0.968	0.259	---	---	17
18	---	---	0.004	0	0.182	3.14	4.06	3.15	0.936	0.114	---	---	18
19	---	---	0.004	0	0.158	3.53	4.03	2.84	1.04	0.080	---	---	19
20	---	---	0.003	0.001	0.156	3.47	4.63	3.09	1.16	0.084	---	---	20
21	---	---	0.002	0	0.183	3.06	4.45	3.22	1.10	0.062	---	---	21
22	---	---	0.007	0	0.231	3.16	3.67	3.20	1.01	0.047	---	---	22
23	---	---	0.007	0.003	0.258	3.6	3.75	3.35	0.955	0.039	---	---	23
24	---	---	0.005	0.001	0.326	3.23	4.12	3.55	1.00	0.036	---	---	24
25	---	---	0.006	0	0.441	3.46	3.97	3.48	4.16	0.036	---	---	25
26	---	0.2348	0.002	0	0.507	3.35	4.03	3.47	4.31	0.033	---	---	26
27	---	0.1548	0	0	0.456	3.37	4.01	3.31	1.53	0.031	---	---	27
28	---	0.0758	0	0	0.565	3.71	3.58	3.26	0.978	0.034	---	---	28
29	---	---	0.001	0	1.07	4.67	3.48	3.27	0.829	0.030	---	---	29
30	---	---	0.001	0	1.55	5.37	3.15	3.29	0.853	0.035	---	---	30
31	---	---	0.003		1.41		3.50	3.65		0.053	---	---	31
TOTAL	---	---	0.248	0.026	9.727	95.10	126.50	105.76	46.350	12.462	---	---	TOTAL
MEAN	---	---	0.008	0.001	0.314	3.17	4.15	3.54	1.61	0.401	---	---	MEAN
MAX	---	---	0.040	0.004	1.55	5.37	5.15	4.00	4.31	1.37	---	---	MAX
MIN	---	---	0	0	0	1.25	3.15	2.84	0.829	0.030	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.65
MAXIMUM DAILY, 5.37 ON JUN 30
MINIMUM DAILY, 0 ON MAR 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 13 00 N
LONG 112 06 15 W
DRAINAGE AREA, 312 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	11 100
FEB	---	AUG	9 460
MAR	21.4	SEP	4 180
APR	2.42	OCT	1 070
MAY	840	NOV	---
JUN	8 220	DEC	---

TOTAL DISCHARGE, 34 900 dam³

NINE MILE COULEE NEAR LETHBRIDGE - STATION NO 05AE042

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.008	0	0.330	0.472	0.150E	0.112	0.116	0.1508	---	1
2	---	---	---	0.008	0	0.193	0.418	0.123E	0.104	0.106	0.1768	---	2
3	---	---	---	0.006	0.001	0.126	0.435	0.174E	0.207	0.147	0.176	---	3
4	---	---	---	0.017	0.025	0.144	0.330	0.258E	0.251	0.267	0.1518	---	4
5	---	---	---	0.015	0.037	0.187	0.317	0.258E	0.259	0.283	---	---	5
6	---	---	---	0.011	0.022	0.109	0.264	0.240E	0.265	0.332	---	---	6
7	---	---	---	0.005	0.0188	0.133	0.279	0.190E	0.235	0.343	---	---	7
8	---	---	---	0.004	0.0168	0.123	0.166	0.100E	0.256	0.424	---	---	8
9	---	---	---	0.003	0.0148	0.123	0.111	0.065E	0.263	0.353	---	---	9
10	---	---	---	0.003	0.005	0.155	0.0768	0.070E	0.263	0.303	---	---	10
11	---	---	---	0.002	0.006	0.123	0.110	0.105E	0.224	0.269	---	---	11
12	---	---	---	0.002	0.003	0.086	0.145	0.060E	0.166	0.258	---	---	12
13	---	---	---	0.003	0.001	0.164	0.247	0.155E	0.069	0.240	---	---	13
14	---	---	---	0.004	0.003E	0.086	0.255	0.150E	0.035	0.135	---	---	14
15	---	---	---	0.012	0.0088	0.291	0.257	0.065E	0.036	0.075	---	---	15
16	---	---	---	0.005	0.003E	0.260	0.471	0.070E	0.044	0.110	---	---	16
17	---	---	---	0.005	0.002E	0.152	0.512	0.070E	0.037	0.131	---	---	17
18	---	---	---	0.003	0.002E	0.095	0.384	0.125E	0.058	0.171	---	---	18
19	---	---	---	0.002	0.003A	0.221	0.228	0.202A	0.045	0.167	---	---	19
20	---	---	---	E	0	0.180	0.225	0.190	0.072	0.176	---	---	20
21	---	---	---	0	0	0.236	0.324	0.240E	0.108	0.170	---	---	21
22	---	---	---	0	0	0.114	0.237	0.300E	0.101	0.155	---	---	22
23	---	---	---	0	0.052	0.133	0.1408	0.285E	0.090	0.166	---	---	23
24	---	---	---	0	0.040	0.204	0.1768	0.250E	0.105	0.168	---	---	24
25	---	---	---	0	0.031	0.272	0.1018	0.303A	0.147	0.169	---	---	25
26	---	---	0.0134	0	0.026	0.177	0.082A	0.209	0.202	0.175	---	---	26
27	---	---	0.013	0	0.022	0.181	0.135	0.154	0.182	0.183	---	---	27
28	---	---	0.008	0 A	0.046	0.273	0.187	0.142	0.146	0.181	---	---	28
29	---		0.005	0	0.067	0.455	0.168A	0.151	0.174	0.200	---	---	29
30	---		0.005	0	0.082	0.470	0.242	0.200	0.175	0.210	---	---	30
31	---		0.011		0.124		0.154	0.146		0.2008	---	---	31
TOTAL	---	---	---	0.128	0.680	5.716	7.764	5.252	4.474	5.435	---	---	TOTAL
MEAN	---	---	---	0.004	0.022	0.191	0.250	0.169	0.149	0.208	---	---	MEAN
MAX	---	---	---	0.019	0.124	0.470	0.512	0.303	0.262	0.424	---	---	MAX
MIN	---	---	---	0	0	0.085	0.076	0.065	0.035	0.075	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.142
MAXIMUM DAILY, 0.512 ON JUL 17
MINIMUM DAILY, 0 ON APR 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 19 N
LONG 112 47 06 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	669
FEB	---	AUG	494
MAR	---	SEP	367
APR	11.1	OCT	956
MAY	93.6	NOV	---
JUN	484	DEC	---

TOTAL DISCHARGE, 2 830 dam³

NORDEGG RIVER AT SUNCHILD ROAD - STATION NO. 05DD009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.64B	1.30B	1.32B	2.43B	6.00	8.76	21.2	19.5	4.92	28.4	5.64	3.07B	1
2	1.54B	1.30B	1.36B	2.52B	5.47	8.07	19.7	17.0	6.80	25.8	7.45	3.00B	2
3	1.44B	1.30B	1.40B	2.60B	5.27	7.39	12.5	15.2	5.81	29.7	7.28	2.94B	3
4	1.36B	1.30B	1.45B	2.69B	5.63	6.92	11.8	15.3	6.80	35.7	6.51	2.89B	4
5	1.31B	1.30B	1.50B	2.78B	8.47	6.66	13.5	16.0	9.16	34.0	6.41	2.84B	5
6	1.27B	1.30B	1.55B	2.85B	12.2	6.42	17.0	18.4	9.92	32.2	6.33A	2.79B	6
7	1.25B	1.30B	1.58B	2.92B	13.8	6.33	19.9	14.3	8.15	30.1	6.25B	2.75B	7
8	1.25B	1.30B	1.60B	3.00B	12.9	6.41	18.0	12.8	7.00	19.2	6.13B	2.71B	8
9	1.26B	1.30B	1.61B	3.07B	11.7	6.20	17.5	11.8	6.61	18.5	5.99B	2.67B	9
10	1.26B	1.30B	1.62B	3.11B	15.3	5.78	16.7	10.9	8.18	17.7	5.84B	2.63B	10
11	1.29B	1.30B	1.64B	3.14B	17.7	5.66	16.8	10.1	8.20	16.1	5.70B	2.59B	11
12	1.30B	1.29B	1.65B	3.17B	16.0	5.86	15.3	9.39	13.5	14.9	5.57B	2.54B	12
13	1.31B	1.28B	1.66B	3.20B	13.9	5.62	14.8	8.70	12.7	13.7	5.43B	2.50B	13
14	1.32B	1.27B	1.67B	3.24B	13.7	5.30	13.6	9.55	11.3	12.8	5.29B	2.46B	14
15	1.33B	1.26B	1.68B	3.30B	12.6	5.26	14.3	8.52	10.8	12.2	5.14B	2.43B	15
16	1.34B	1.25B	1.69B	3.45B	13.4	6.24	24.3	7.78	9.57	11.5	4.99B	2.40B	16
17	1.35B	1.24B	1.69B	3.65B	15.4	8.06	157 A	7.31	9.65	10.9	4.83B	2.38B	17
18	1.36B	1.22B	1.70B	4.05B	16.5	5.44	498 E	6.86	9.77	10.3	4.69B	2.35B	18
19	1.36B	1.21B	1.70B	4.56	15.9	6.49	175 A	6.61	9.16	9.80	4.54B	2.32B	19
20	1.36B	1.20B	1.72B	4.61	14.7	14.0	92.0	6.18	8.42	9.39	4.39B	2.28B	20
21	1.35B	1.20B	1.75B	5.04	14.2	10.8	62.7	5.95	7.76	9.07	4.24B	2.26B	21
22	1.35B	1.20B	1.78B	6.03	18.6	8.52	46.2	5.69	7.24	8.73	4.09B	2.23B	22
23	1.35B	1.20B	1.82B	6.19	21.7	7.19	42.2	5.57	6.78	8.35	3.94B	2.20B	23
24	1.36B	1.20B	1.86B	5.84	21.1	6.34	40.2	5.38	6.49	8.05	3.79B	2.18B	24
25	1.34B	1.21B	1.90B	5.20	18.9	5.79	33.0	5.73	7.06	7.78	3.65B	2.16B	25
26	1.33B	1.22B	1.97B	5.69	12.1	5.47	29.2	5.88	25.2	7.57	3.53B	2.14B	26
27	1.33B	1.24B	2.04B	6.10	11.1	5.10	30.3	5.65	36.8	7.46	3.43B	2.12B	27
28	1.32B	1.26B	2.11B	6.36	10.3	4.85	26.1	5.33	36.1	7.36	3.33B	2.10B	28
29	1.32B		2.18B	6.45	9.63	5.90	25.5	4.99	31.5	7.11	3.23B	2.08B	29
30	1.31B		2.27B	6.42	9.74	20.4	27.7	4.82	26.8	6.95	3.14B	2.06B	30
31	1.31B		2.36B		9.47		23.0	4.91		6.63		2.05B	31
TOTAL	41.57	35.27	53.84	123.80	403.38	215.62	1 572.9	291.70	365.44	458.06	150.87	76.13	TOTAL
MEAN	1.34	1.26	1.74	4.13	13.0	7.19	50.7	9.41	12.2	14.8	5.03	2.46	MEAN
MAX	1.64	1.30	2.36	6.45	21.7	20.4	498	19.5	36.8	38.8	7.45	3.07	MAX
MIN	1.25	1.20	1.32	2.43	5.27	4.85	11.8	4.82	4.89	6.63	3.14	2.05	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.4
MAXIMUM DAILY, 498E ON JUL 18
MINIMUM DAILY, 1.20B ON FEB 20
MAXIMUM INSTANTANEOUS,
620 ON JUL 18

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 49 12 N
LONG 115 21 10 W
DRAINAGE AREA, 875 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	3 590	JUL	136 000
FEB	3 050	AUG	25 200
MAR	4 650	SEP	31 600
APR	10 700	OCT	39 600
MAY	34 900	NOV	13 000
JUN	18 600	DEC	6 580

TOTAL DISCHARGE, 327 000 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS DERIVED FROM HIGH WATER MARK

NORTH FORK MILK RIVER ABOVE ST. MARY CANAL - STATION NO. 11AA032

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.623E	0.595	0.368	0.311	0.212	0.142	0.229	0.736	---	---	1
2	---	---	0.595E	0.510	0.368	0.283	0.184	0.142	0.221	0.453	---	---	2
3	---	---	0.566E	0.453	0.368	0.283	0.176	0.162	0.201	0.368	---	---	3
4	---	---	0.566A	0.453	0.806	0.283	0.176	0.150	0.212	0.340	---	---	4
5	---	---	0.538	0.425	0.991	0.396	0.212	0.150	0.258	0.311	---	---	5
6	---	---	0.538	0.425	0.765	0.425	0.212	0.159	0.311	0.278	---	---	6
7	---	---	0.510	0.425	0.651	0.340	0.193	0.159	0.258	0.254	---	---	7
8	---	---	0.566	0.425	0.538	0.311	0.176	0.150	0.236	0.311	---	---	8
9	---	---	0.538	0.453	0.510	0.311	0.176	0.159	0.368	0.311	---	---	9
10	---	---	0.453	0.481	0.510	0.311	0.167	0.167	0.396	0.311	---	---	10
11	---	---	0.453	0.481	0.481	0.269	0.159	0.167	0.278	0.340	---	---	11
12	---	---	0.453	0.481	0.453	0.269	0.150	0.167	0.236	0.311	---	---	12
13	---	---	0.425	0.481	0.425	0.278	0.159	0.167	0.258	0.283	---	---	13
14	---	---	0.425	0.481	0.425	0.258	0.159	0.221	0.283	0.272	---	---	14
15	---	---	0.425	0.510	0.510	0.278	0.150	0.184	0.269	0.254	---	---	15
16	---	---	0.425	0.510	0.680	0.269	0.159	0.167	0.258	0.249	---	---	16
17	---	---	0.425	0.425	0.595	0.255	0.176	0.176	0.269	0.249	---	---	17
18	---	---	0.425	0.396	0.481	0.236	0.176	0.167	0.278	0.245	---	---	18
19	---	---	0.425	0.396	0.425	0.269	0.167	0.159	0.340	0.238	---	---	19
20	---	---	0.481	0.396	0.425	0.229	0.167	0.167	0.311	0.238	---	---	20
21	---	---	0.481	0.425	0.481	0.229	0.153	0.176	0.283	0.238	---	---	21
22	---	---	0.481	0.481	0.481	0.221	0.162	0.167	0.258	0.238	---	---	22
23	---	---	0.453	0.510	0.425	0.212	0.162	0.167	0.220	0.238	---	---	23
24	---	---	0.453	0.510	0.396	0.201	0.142	0.176	0.229	0.238	---	---	24
25	---	---	0.425	0.425	0.396	0.201	0.162	0.184	0.311	0.238	---	---	25
26	---	---	0.425	0.481	0.368	0.193	0.150	0.183	0.481	0.238	---	---	26
27	---	---	0.453	0.481	0.368	0.183	0.150	0.193	0.340	0.238	---	---	27
28	---	---	0.595	0.425	0.368	0.201	0.150	0.201	0.278	0.238A	---	---	28
29	---		0.680	0.396	0.340	0.236	0.142	0.184	0.258	0.238E	---	---	29
30	---		0.595	0.368	0.340	0.229	0.133	0.193	0.258	0.238E	---	---	30
31	---		0.623		0.311		0.142	0.201		0.232E		---	31
TOTAL	---	---	15.510	13.704	15.165	7.906	5.086	5.297	8.370	8.676	---	---	TOTAL
MEAN	---	---	0.501	0.457	0.489	0.265	0.164	0.171	0.279	0.280	---	---	MEAN
MAX	---	---	0.680	0.595	0.991	0.425	0.212	0.221	0.481	0.736	---	---	MAX
MIN	---	---	0.425	0.368	0.311	0.183	0.133	0.142	0.201	0.232	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.327
MAXIMUM DAILY, 0.991 ON MAY 5
MINIMUM DAILY, 0.133 ON JUL 30
MAXIMUM INSTANTANEOUS,
70.8 ON FEB 24

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 58 15 N
LONG 113 03 18 W
DRAINAGE AREA, 156 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	440
FEB	---	AUG	458
MAR	1 340	SEP	724
APR	1 180	OCT	776
MAY	1 310	NOV	---
JUN	688	DEC	---

TOTAL DISCHARGE, 6 920 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD AND WAS DERIVED FROM HIGH WATER MARK

NORTH MILK RIVER NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.89	0.832	7.80	7.72	17.2	15.2	15.4	0.572	---	---	1
2	---	---	1.87	0.728	7.86	7.82	17.2	15.2	15.3	0.547	---	---	2
3	---	---	1.19	0.607	7.85	7.74	17.2	15.3	13.0	0.385	---	---	3
4	---	---	1.12	6.03	8.88	7.83	17.0	15.2	8.30	0.329	---	---	4
5	---	---	1.04	8.40	9.05	8.50	17.2	15.2	4.42	0.287	---	---	5
6	---	---	0.898	8.78	8.54	8.30	16.8	15.3	1.92	0.261	---	---	6
7	---	---	0.719	7.08	8.26	7.74	16.8	15.3	0.985	0.250	---	---	7
8	---	---	0.587	7.16	8.11	7.82	16.8	15.4	0.625	0.291	---	---	8
9	---	---	0.554	7.23	8.05	7.83	16.8	15.4	0.662	0.317	---	---	9
10	---	---	0.560	7.28	8.02	7.30	16.8	15.3	0.691	0.340	---	---	10
11	---	---	0.521	7.31	7.94	7.28	16.7	15.4	0.484	0.331	---	---	11
12	---	---	0.513	7.53	7.98	7.13	16.7	15.2	0.388	0.309	---	---	12
13	---	---	0.490	7.43	7.78	7.21	16.7	12.0	0.269	0.284	---	---	13
14	---	---	0.482	7.33	7.95	7.26	16.7	13.3	0.266	0.268A	---	---	14
15	---	---	0.459	7.39	8.09	7.38	16.8	14.7	0.265	0.280A	---	---	15
16	---	---	0.482	7.50	8.49	7.14	16.6	14.9	0.258	0.286A	---	---	16
17	---	---	0.492	7.31	8.59	8.31	16.4	15.3	0.255	0.255	---	---	17
18	---	---	0.434	7.17	8.12	12.9	16.4	15.5	0.255	0.252	---	---	18
19	---	---	0.466	7.51	7.93	16.3	16.6	15.3	0.315	0.249	---	---	19
20	---	---	0.555	7.76	7.93	16.7	16.6	15.4	0.270	0.250	---	---	20
21	---	---	0.661	7.79	8.11	17.5	16.5	15.5	0.250	0.255	---	---	21
22	---	---	0.672	7.94	8.20	17.4	16.6	15.5	0.259	0.243	---	---	22
23	---	---	0.560	7.96	8.08	17.3	15.9	15.6	0.250	0.247	---	---	23
24	---	---	0.527	8.05	8.05	17.1	15.5	15.4	0.242	0.250	---	---	24
25	---	---	0.481	8.12	7.84	17.0	15.5	15.5	0.276	0.251	---	---	25
26	---	8.084	0.457	8.30	7.88	16.8	15.5	15.5	0.477	0.251	---	---	26
27	---	2.29	0.513	8.28	7.85	17.1	15.4	15.4	0.324	0.255	---	---	27
28	---	2.09	0.676	8.16	7.91	17.3	15.3	15.4	0.241	0.251	---	---	28
29	---		0.837	7.88	7.91	17.6	15.2	15.4	0.238	0.246	---	---	29
30	---		0.768	7.87	7.87	17.3	15.2	15.4	0.238	0.258A	---	---	30
31	---		0.859		7.80		15.2	15.4		0.260E		---	31
TOTAL	---	---	21.934	202.897	250.83	348.20	508.1	469.8	67.123	9.120	---	---	TOTAL
MEAN	---	---	0.708	6.76	8.08	11.6	16.4	15.2	2.24	0.294	---	---	MEAN
MAX	---	---	1.89	8.30	9.05	17.6	17.2	15.6	15.4	0.572	---	---	MAX
MIN	---	---	0.434	0.607	7.78	7.13	15.2	12.0	0.238	0.243	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.85
MAXIMUM DAILY, 17.6 ON JUN 29
MINIMUM DAILY, 0.238 ON SEP 29
MAXIMUM INSTANTANEOUS,
75.00 ON FEB 26

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 19 N
LONG 112 58 16 W
DRAINAGE AREA, 252 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1916

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	43 800
FEB	---	AUG	40 500
MAR	1 900	SEP	6 800
APR	17 500	OCT	788
MAY	21 700	NOV	---
JUN	30 100	DEC	---

TOTAL DISCHARGE, 162 000 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS DERIVED FROM HIGH WATER MARK

NORTH RAM RIVER AT FORESTRY ROAD - STATION NO. 05DC011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.381	14.4	8.09	8.75	2.19	3.49	2.15	---	1
2	---	---	---	---	0.390	12.0	8.71	8.15	2.11	3.49	2.57	---	2
3	---	---	---	---	0.452	10.3	8.18	7.54	2.14	3.47	2.64	---	3
4	---	---	---	---	0.528	8.76	7.71	7.05	2.26	3.87	2.53A	---	4
5	---	---	---	---	0.617	8.06	9.33	6.95	2.56	4.90	---	---	5
6	---	---	---	---	1.05	7.93	8.66	6.43	2.27	7.61	---	---	6
7	---	---	---	---	1.55	7.45	8.23	5.80	2.09	8.98	---	---	7
8	---	---	---	---	1.94	7.66	7.91	5.62	2.01	9.37	---	---	8
9	---	---	---	---	2.08	7.51	7.77	5.32	1.92	9.00	---	---	9
10	---	---	---	---	2.07	6.98	7.20	4.87	2.02	8.40	---	---	10
11	---	---	---	---	1.80	6.94	6.66	4.57	2.40	7.63	---	---	11
12	---	---	---	---	1.84	6.41	6.35	4.48	2.32	7.06	---	---	12
13	---	---	---	---	1.84	6.02	6.23	4.60	2.16	6.58	---	---	13
14	---	---	---	---	1.63	5.68	5.96	4.17	2.05	6.14	---	---	14
15	---	---	---	---	1.56	6.03	6.41	3.93	2.02	5.73	---	---	15
16	---	---	---	---	1.65	6.26	6.75	3.74	2.12	6.37	---	---	16
17	---	---	---	---	2.17	6.00	18.6	3.57	2.49	6.05	---	---	17
18	---	---	---	---	4.27	4.98	41.1	3.35	2.45	4.75	---	---	18
19	---	---	---	---	6.26	5.23	36.3	3.30	2.35	4.53	---	---	19
20	---	---	---	---	8.10	4.81	29.2	3.18	2.26	4.33	---	---	20
21	---	---	---	---	8.51	4.91	24.8	3.02	2.22	4.16	---	---	21
22	---	---	---	---	8.48	4.28	20.7	2.90	2.14	3.94	---	---	22
23	---	---	---	---	8.21	4.11	18.0	2.81	2.13	3.73	---	---	23
24	---	---	---	---	7.04	4.06	15.6	2.73	2.14	3.57	---	---	24
25	---	---	---	---	9.54	3.66	13.5	2.69	2.71	3.43	---	---	25
26	---	---	---	---	16.5	3.73	12.7	2.56	3.19	3.32	---	---	26
27	---	---	---	---	22.5	3.60	11.4	2.44	2.92	3.28	---	---	27
28	---	---	---	---	22.0	3.61	10.4	2.39	3.00	3.16	---	---	28
29	---		---	0.503A	21.4	5.39	10.8	2.27	3.07	3.01	---	---	29
30	---		---	0.432	18.7	9.18	9.93	2.46	3.27	2.88	---	---	30
31	---		---		16.4		8.30	2.30		2.35		---	31
TOTAL	---	---	---	---	197.965	194.37	309.98	133.90	71.10	156.58	---	---	TOTAL
MEAN	---	---	---	---	6.39	6.48	12.9	4.32	2.37	5.05	---	---	MEAN
MAX	---	---	---	---	22.5	14.4	41.1	8.75	3.27	9.37	---	---	MAX
MIN	---	---	---	---	0.388	3.61	5.41	2.27	1.92	2.35	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.27
MAXIMUM DAILY, 41.1 ON JUL 18
MINIMUM DAILY, 0.388 ON MAY 1
MAXIMUM INSTANTANEOUS,
42.7 AT 06:31 MST ON JUL 18

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 15 55 N
LONG 115 59 30 W
DRAINAGE AREA, 348 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	34 800
FEB	---	AUG	11 800
MAR	---	SEP	6 140
APR	---	OCT	13 500
MAY	17 100	NOV	---
JUN	16 800	DEC	---

TOTAL DISCHARGE, 99 700 dam³

NORTH SASKATCHEWAN RIVER AT EDMONTON - STATION NO. 05DF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	133 B	89.88	189 B	2110	221	465	357	422	230E	319	211	2050	1
2	130 B	82.68	222 B	2200	201	438	481	420	228E	338	188	1750	2
3	105 B	88.78	210 B	2100	193	425	4720	387	203A	362	153	1660	3
4	95.0B	89.88	183 B	2070	207	406	4190	319	199	366	156	1930	4
5	105 B	91.88	205 B	1950	204	381	4240	327	225	319	202	2290	5
6	105 B	96.58	178 B	1850	214	358	4160	3230	221	300	214	2050	6
7	105 B	95.18	157 B	2680	230	350	4030	338	240	299	203	2100	7
8	101 B	103 B	157 B	3170	255	369	4190	297	235	305	202	2100	8
9	113 B	101 B	116 B	2940	268	363	4070	296	268	355	2340	1670	9
10	101 B	90.78	92.78	3110	263	369	4150	257	239	343	1650	1700	10
11	116 B	95.08	94.38	288	244	3590	4160	222	262	299	1240	2070	11
12	114 B	102 B	111 B	264	276	3390	4600	2240	222	241	1170	2200	12
13	95.28	95.58	120 B	262	299	339	4300	2460	229	259	1110	2100	13
14	100 B	102 B	132 B	236	305	336	4410	233	228	246	1400	1630	14
15	108 B	96.78	135 B	260	300	346	4190	234	203	240	1650	1790	15
16	105 B	82.48	162 B	267	312	335	415	227	185	230	2360	2050	16
17	100 B	75.78	148 B	276	337	335	528	225	204	259	2210	1980	17
18	107 B	100 B	133 B	274	389	341	1 660	223	203	268	2080	2080	18
19	115 B	104 B	150 B	239	441	345	3 980A	219	205	193	1710	2060	19
20	94.28	114 B	186 B	227	433	332	3 430A	214	200	213	2210	2150	20
21	94.78	102 B	190 B	226	434	350	1 970	2230	189	192	2420	2040	21
22	154 B	100 B	147 B	240	414	359	1 380	2520	198	242	1910	2050	22
23	116 B	107 B	129 B	262	406	361	1 160	2470	180	222	2270	1570	23
24	101 B	110 B	148 B	237	405	365	851	2600	186	225	2240	1640	24
25	98.28	80.38	131 B	241	385	349	845	2640	201	209	1860	2080	25
26	83.38	90.58	173 B	235	345	333	775	2550	219	199	1660	1950	26
27	86.68	130 B	184 B	243	335	322	656	2680	215	201	2000	1920	27
28	86.68	141 B	217 B	235	377	329	682	2600	500	193	1710	1880	28
29	76.18		233 B	227	460	316	900	2720	453	192	1950	1670	29
30	86.98		253 B	231	480	327	517	2530	408	207	2130	1890	30
31	99.18		236 B		480		510	2340		203		1670	31
TOTAL	3 249 B	2 783 B	5 061 B	7 338	10 098	10 736	25 277	8 481	7 266	8 049	5 636	5 956	TOTAL
MEAN	105	96.7	163	245	326	358	851	273	242	260	188	192	MEAN
MAX	154	141	253	317	480	465	3 990	422	506	362	242	229	MAX
MIN	76.1	75.7	92.7	185	193	316	357	214	180	192	111	157	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 277
MAXIMUM DAILY, 3 990A ON JUL 19
MINIMUM DAILY, 75.78 ON FEB 17
MAXIMUM INSTANTANEOUS,
4 520 AT 20 00 MST ON JUL 19

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 32 15 N
LONG 113 29 04 W
DRAINAGE AREA, 28 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1950

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	281 000	JUL	2 280 000
FEB	235 000	AUG	730 000
MAR	437 000	SEP	626 000
APR	634 000	OCT	695 000
MAY	873 000	NOV	487 000
JUN	928 000	DEC	515 000

TOTAL DISCHARGE, 8 730 000 dam³

NORTH SASKATCHEWAN RIVER AT WHIRLPOOL POINT - STATION NO. 05DA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.058	4.908	7.008	5.58	8.09	307	182	112	135	23.4	18.8 E	8 250	1
2	5.108	4.908	6.548	5.64	8.54	310	188	125	122	22.5	19.0 E	8 000	2
3	5.158	4.508	6.288	5.48	10.8	270	168	148	126	21.4	19.8 E	7 458	3
4	5.178	4.108	6.678	5.70	13.4	223	165	185	128	21.0	20.7 E	7 408	4
5	5.208	3.978	5.848	5.80	14.0	197	117	185	116	21.7	18.6 E	7 558	5
6	5.208	3.788	5.188	6.13	14.0	187	108	149	87.1	25.9	15.9 A	7 558	6
7	5.208	3.678	5.048	6.57	15.4	209	119	162	73.7	30.6	15.1 B	7 708	7
8	5.408	3.608	5.338	7.42	16.6	212	136	162	68.8	31.9	14.3 B	7 358	8
9	5.308	3.508	5.308	8.71	17.4	188	114	164	75.1	30.9	13.4 B	7 258	9
10	5.148	3.448	5.208	8.97	18.0	176	115	161	75.4	27.7	12.6 B	7 058	10
11	5.008	3.358	5.328	7.88	18.0	212	109	175	71.6	25.0	11.7 B	7 058	11
12	4.908	3.208	4.648	7.35	17.2	206	111	187	64.3	23.3	10.8 B	7 158	12
13	4.958	3.258	4.868	7.008	17.2	187	117	183	46.8	22.2	10.4 B	7 208	13
14	5.058	3.158	5.158	7.06	16.1	180	124	185	40.9	21.5	10.1 B	7 408	14
15	5.108	3.108	4.818	6.73	14.8	197	138	177	36.3	20.8	9.508	7 008	15
16	5.008	2.958	4.638	7.00	14.3	178	142	147	36.2	20.5	9.308	6 758	16
17	4.858	2.858	4.588	7.15	14.2	165	127	128	37.6	20.6	9.108	6 458	17
18	4.808	2.808	4.578	8.91	15.7	169	147	128	36.6	20.2	9.008	6 288	18
19	4.808	2.808	4.598	8.74	18.3	228	148	132	32.7	19.5	9.058	6 478	19
20	4.748	2.918	4.858	7.98	28.6	172	135	118	31.4	18.9	9.208	6 308	20
21	4.658	3.158	5.188	10.3	39.5	128	108	105	29.9	18.6	9.708	5 958	21
22	4.608	3.358	5.038	13.0	40.6	112	102	104	28.6	18.2	9.508	5 438	22
23	4.658	3.608	4.858	11.6	36.6	131	102	105	28.1	17.8	9.908	5 778	23
24	4.408	4.308	4.938	10.0	34.8	187	104	114	28.5	17.7	10.8 B	5 648	24
25	4.338	5.748	4.44	10.1	37.4	308	118	114	28.3	17.3	10.6 B	5 848	25
26	4.458	7.308	4.83	8.82	85.2	182	138	105	31.8	18.0	8.408	5 198	26
27	4.708	7.858	5.27	10.1	155	159	131	108	29.0	23.3	8.458	5 198	27
28	5.008	7.938	6.85	9.80	240	159	131	136	26.4	27.0	8.358	5 898	28
29	4.808		6.85	9.29	280	173	139	151	24.8	24.8	7.858	5 988	29
30	4.758		6.18	9.30	304	193	113	147	24.0	22.8A	7.808	5 858	30
31	4.988		5.88		308		105	139		19.4E		5 508	31
TOTAL	152.41	114.81	165.31	239.92	1 675.83	5 771	3 875	4 381	1 732.4	693.2	359.30	204.53	TOTAL
MEAN	4.92	4.10	5.36	8.00	80.5	192	126	141	57.7	22.4	12.0	6.73	MEAN
MAX	5.40	7.92	7.00	13.0	308	310	189	187	136	31.8	30.7	8.25	MAX
MIN	4.33	2.80	4.44	5.48	9.09	112	102	104	24.0	17.3	7.60	5.50	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 53.9
MAXIMUM DAILY, 310 ON JUN 2
MINIMUM DAILY, 2.808 ON FEB 19
MAXIMUM INSTANTANEOUS,
310 AT 11 35 MST ON JUN 2

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 00 06 N
LONG 114 28 10 W
DRAINAGE AREA, 1 620 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	13 200	JUL	242 000
FEB	9 830	AUG	276 000
MAR	14 400	SEP	150 000
APR	20 700	OCT	68 800
MAY	162 000	NOV	31 000
JUN	489 000	DEC	18 000

TOTAL DISCHARGE, 1 700 000 dam³

NORTH SASKATCHEWAN RIVER BELOW BIGHORN PLANT - STATION NO 05DC010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	32.9	46.7	58.2	121	113	142	160	3.34	89.7	54.7	70.7	124	1
2	33.0	46.7	61.3	113	111	150	159	5.86	103	37.9	78.2	86.8	2
3	33.3	47.7	62.4	110	111	152	160	0.963	95.4	24.4	79.5	103	3
4	33.1	48.8	63.4	132	106	153	149	0.991	98.5	31.9	71.2	102	4
5	33.2	49.8	64.6	126	107	153	162	0.878	100	26.4	65.7	91.8	5
6	33.2	49.7	52.2	126	109	142	147	26.9	114	53.8	71.0	95.2	6
7	32.9	45.2	63.1	139	103	153	157	26.3	115	56.3	98.1	95.7	7
8	34.2	50.4	58.5	131	107	149	157	6.46	109	1.22	106	99.1	8
9	33.7	42.6	53.3	127	101	157	156	1.02	103	0.878	92.8	90.0	9
10	35.1	52.8	64.7	125	121	149	160	42.2	100	1.05	89.1	94.6	10
11	35.1	50.8	59.7	115	113	157	157	29.0	97.0	1.02	91.3	101	11
12	34.0	53.5	61.7	125	110	159	166	41.3	91.3	7.70	66.4	85.2	12
13	34.2	54.8	63.8	125	118	154	162	58.0	95.2	1.12	49.5	77.4	13
14	36.2	56.4	63.6	128	94.5	156	167	43.0	72.9	49.8	31.0	90.4	14
15	13.4	58.3	58.8	130	113	147	151	58.2	81.5	17.7	31.9	95.7	15
16	32.5	61.4	55.7	128	116	156	154	57.8	86.2	1.16	38.7	97.4	16
17	34.5	63.7	63.7	129	119	158	116	61.6	80.6	77.3	80.7	89.3	17
18	36.1	60.6	24.4	116	105	158	98.3	65.5	68.8	55.5	89.0	90.3	18
19	36.0	67.6	46.7	131	116	159	112	87.7	79.5	81.6	85.0	87.6	19
20	35.6	65.1	63.0	129	55.4	159	92.0	96.9	62.9	59.7	106	94.6	20
21	37.4	62.7	64.5	104	28.3	155	95.8	104	67.3	53.2	77.8	93.5	21
22	36.6	57.8	55.7	128	48.0	156	84.0	105	87.8	48.0	80.6	102	22
23	37.5	60.1	102	119	35.5	154	92.7	110	87.1	48.8	81.0	95.2	23
24	35.5	57.5	118	126	42.5	162	97.8	112	47.1	48.8	72.0	93.1	24
25	37.5	66.7	102	107	42.2	155	90.8	114	27.5	50.1	89.0	90.0	25
26	34.9	54.1	118	111	63.7	160	77.5	103	1.22	37.5	104	97.0	26
27	39.7	50.3	118	115	60.3	163	77.8	109	1.16	61.5	114	96.1	27
28	33.1	53.1	124	107	135	163	77.0	87.8	1.13	64.6	95.0	86.3	28
29	44.7		110	109	135	154	46.5	98.3	10.5	68.0	95.0	66.8	29
30	41.3		116	94.8	135	159	47.4	85.3	49.8	58.0	102	97.1	30
31	43.7		118		147		44.3	84.4		67.6		92.2	31
TOTAL	1 084.2	1 539.1	2 367.0	3 635.6	3 052.4	4 652	3 777.5	1 828.712	2 226.11	1 251.756	2 402.2	2 930.8	TOTAL
MEAN	35.0	55.0	76.4	121	98.5	155	122	59.0	74.2	40.4	80.1	94.5	MEAN
MAX	44.7	67.6	124	139	147	163	167	114	115	81.6	114	124	MAX
MIN	13.4	42.6	24.4	94.8	28.3	142	44.3	0.878	1.13	0.878	31.0	77.4	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 84.2
MAXIMUM DAILY 167 ON JUL 14
MINIMUM DAILY 0.873 ON AUG 5

DATA CONTRIBUTED BY
TRANSALTA UTILITIES CORPORATION

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 16 36 N
LONG 116 19 21 W
DRAINAGE AREA 3 890 km²

REGULATED SINCE 1972

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	93 700	JUL	326 000
FEB	133 000	AUG	158 000
MAR	205 000	SEP	192 000
APR	314 000	OCT	108 000
MAY	264 000	NOV	208 000
JUN	402 000	DEC	253 000

TOTAL DISCHARGE 2 660 000 dam³

NORTH SASKATCHEWAN RIVER NEAR LODGEPOLE - STATION NO 05DE006

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	2.518	3.466	3.621	3.408	2.683	3.304	2.649	---	1
2	---	---	---	---	2.549	3.428	3.522	3.335	2.634	3.536	2.547	---	2
3	---	---	---	---	2.611	3.376	3.418	3.161	2.857	3.546	2.741	---	3
4	---	---	---	---	2.587	3.287	3.357	3.177	2.929	3.256	2.765A	---	4
5	---	---	---	---	2.652	3.237	3.287	3.132	2.954	3.787	---	---	5
6	---	---	---	---	2.764	3.202	3.412	3.177	2.983	3.633	---	---	6
7	---	---	---	---	2.829	3.264	3.406	3.014	2.990	3.732	---	---	7
8	---	---	---	---	2.809	3.219	3.423	3.052	3.020	3.595	---	---	8
9	---	---	---	---	2.770	3.264	3.364	2.939	2.963	3.547	---	---	9
10	---	---	---	---	2.820	3.202	3.497	2.886	2.907	3.149	---	---	10
11	---	---	---	---	2.930	3.165	3.413	2.902	2.851	3.076	---	---	11
12	---	---	---	---	2.979	3.176	3.401	2.987	2.939	2.991	---	---	12
13	---	---	---	---	2.952	3.128	3.304	2.959	2.842	2.952	---	---	13
14	---	---	---	---	2.969	3.140	3.357	3.049	2.781	2.939	---	---	14
15	---	---	---	---	2.923	3.125	3.323	2.883	2.810	3.030	---	---	15
16	---	---	---	---	3.009	3.140	3.436	2.881	2.843	2.937	---	---	16
17	---	---	---	---	3.123	3.182	4.706	2.862	2.787	2.796	---	---	17
18	---	---	---	---	3.258	3.156	6.999	2.942	2.868	2.810	---	---	18
19	---	---	---	---	3.301	3.156	6.505	2.767	2.805	2.895	---	---	19
20	---	---	---	---	3.354	3.244	5.735	2.789	2.816	2.922	---	---	20
21	---	---	---	---	3.257	3.253	5.171	2.887	2.757	2.921	---	---	21
22	---	---	---	---	3.205	3.272	4.865	2.947	2.776	2.869	---	---	22
23	---	---	---	---	3.240	3.266	4.315	2.863	2.790	2.891	---	---	23
24	---	---	---	---	3.195	3.162	4.306	2.829	2.804	2.795	---	---	24
25	---	---	---	---	3.128	3.186	4.207	2.955	2.789	2.749	---	---	25
26	---	---	---	---	3.118	3.098	3.935	2.956	3.348	2.758	---	---	26
27	---	---	---	---	3.291	3.151	4.016	2.911	3.824	2.757	---	---	27
28	---	---	---	2.822A	3.465	3.121	3.827	2.850	3.647	2.789	---	---	28
29	---	---	---	2.686	3.615	3.115	3.621	2.883	3.449	2.801	---	---	29
30	---	---	---	2.638	3.596	3.319	3.603	2.721	3.212	2.829	---	---	30
31	---	---	---		3.536		3.424	2.883		2.738	---	---	31
MEAN	---	---	---	---	3.044	3.217	3.996	2.963	2.962	3.075	---	---	MEAN
MAX	---	---	---	---	3.615	3.466	6.999	3.408	3.824	3.833	---	---	MAX
MIN	---	---	---	---	2.518	3.098	3.297	2.883	2.683	2.699	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 03 06 N
LONG 115 12 33 W

A - MANUAL GAUGE

MAXIMUM INSTANTANEOUS
7.396 AT 17 14 MST ON JUL 14

REGULATED SINCE 1980

DRAINAGE AREA
20 500 km²

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 784.880 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

NORTH SASKATCHEWAN RIVER NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 05DC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	160	142	371	369	188	142	169	118	---	1
2	---	---	---	159	156	352	339	146	144	173	123	---	2
3	---	---	---	148	149	336	313	134	162	150	131	---	3
4	---	---	---	152	159	315	297	128	156	134	130	---	4
5	---	---	---	172	171	299	287	125	181	141	121	---	5
6	---	---	---	180	185	290	308	122	171	151	127	---	6
7	---	---	---	172	186	279	298	133	178	182	125	---	7
8	---	---	---	178	176	288	303	127	167	186	140	---	8
9	---	---	---	176	180	292	297	107	171	142	144	---	9
10	---	---	---	173	177	288	298	97 7	150	132	---	---	10
11	---	---	---	169	197	274	292	126	168	121	---	---	11
12	---	---	---	152	188	279	277	121	169	111	---	---	12
13	---	---	---	161	183	270	283	131	156	107	---	---	13
14	---	---	---	161	187	257	272	139	152	101	---	---	14
15	---	---	---	165	172	262	263	130	137	132	---	---	15
16	---	---	---	168	183	288	258	135	143	107	---	---	16
17	---	---	---	165	200	256	433	127	152	95 3	---	---	17
18	---	---	---	165	228	251	753	129	159	148	---	---	18
19	---	---	92 2	157	238	258	694	130	143	133	---	---	19
20	---	---	87 0	169	262	260	545	154	150	157	---	---	20
21	---	---	162	170	222	249	417	151	129	130	---	---	21
22	---	---	135	150	209	239	381	157	126	122	---	---	22
23	---	---	144	173	210	232	329	157	146	118	---	---	23
24	---	---	150	162	188	228	317	162	139	112	---	---	24
25	---	---	159	170	182	233	293	167	122	113	---	---	25
26	---	---	166	158	205	236	266	166	172	110	---	---	26
27	---	---	157	154	298	236	253	153	165	96 8	---	---	27
28	---	---	163	162	367	237	253	156	137	118	---	---	28
29	---	---	159	157	413	247	241	142	121	117	---	---	29
30	---	---	159	144	403	322	218	153	125	123	---	---	30
31	---	---	159		387		204	143		110	---	---	31
TOTAL	---	---	---	4 903	6 804	8 194	10 331	4 336 7	4 536	4 044 1	---	---	TOTAL
MEAN	---	---	---	163	219	273	333	140	151	130	---	---	MEAN
MAX	---	---	---	180	413	371	753	188	181	188	---	---	MAX
MIN	---	---	---	144	142	228	204	97 7	121	95 3	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 208
MAXIMUM DAILY, 753 ON JUL 18
MINIMUM DAILY, 95 3 ON OCT 17
MAXIMUM INSTANTANEOUS,
773 AT 11 53 MST ON JUL 18

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 20 51 N
LONG 114 56 21 W
DRAINAGE AREA, 11 000 km²

REGULATED SINCE 1972

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	893 000
FEB	---	AUG	375 000
MAR	---	SEP	392 000
APR	424 000	OCT	349 000
MAY	588 000	NOV	---
JUN	708 000	DEC	---

TOTAL DISCHARGE, 3 310 000 dam³

NOSE CREEK AT CALGARY - STATION NO. 05BH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 978B	0 141	0 066	0 148	0 716	0 212	0 138	1 32	0 207	---	1
2	---	---	0 806B	0 138	0 071	0 135	0 381	0 177	0 141	1 26	0 240	---	2
3	---	---	0 574B	0 116	0 065	0 113	0 269	0 164	0 292	1 16	0 251	---	3
4	---	---	0 470B	0 114	0 321	0 124	0 244	0 206	0 142	1 06	0 232A	---	4
5	---	---	0 357I	0 116	0 205	0 123	0 276	0 269	0 153	0 974	---	---	5
6	---	---	0 252B	0 108	0 284	0 235	0 196	0 258	0 126	0 924	---	---	6
7	---	---	0 273B	0 112	0 229	0 129	0 260	0 273	0 120	0 876	---	---	7
8	---	---	0 209B	0 120	0 179	0 185	0 187	0 276	0 122	0 818	---	---	8
9	---	---	0 202B	0 126	0 156	0 164	0 306	0 270	0 125	0 746	---	---	9
10	---	---	0 171B	0 156	0 186	0 152	0 200	0 200	0 150	0 685	---	---	10
11	---	---	0 179B	0 148	0 139	0 160	0 175	0 183	0 111	0 619	---	---	11
12	---	---	0 170B	0 114	0 122	0 134	0 252	0 150	0 098	0 561	---	---	12
13	---	---	0 193B	0 101	0 205	0 109	0 211	0 152	0 099	0 514	---	---	13
14	---	---	0 184B	0 093	0 229	0 078	0 151	0 150	0 106	0 449	---	---	14
15	---	---	0 185B	0 100	0 641	0 118	0 178	0 169	0 098	0 408	---	---	15
16	---	---	0 173B	0 094	0 909	0 079	0 341	0 187	0 136	0 399	---	---	16
17	---	---	0 179B	0 094	2 01	0 108	1 54	0 210	1 31	0 385	---	---	17
18	---	---	0 134B	0 087	2 03	0 155	1 82	0 194	0 911	0 395	---	---	18
19	---	---	0 135B	0 089	2 37	0 116	1 50	0 181	0 510	0 362	---	---	19
20	---	---	0 147B	0 083	3 39	0 030	2 01	0 169	0 331	0 330	---	---	20
21	---	---	0 209B	0 085	2 74	0 048	1 50	0 154	0 295	0 327	---	---	21
22	---	---	0 218B	0 096	2 44	0 053	1 06	0 138	0 279	0 316	---	---	22
23	---	---	0 163B	0 089	1 81	0 039	0 812	0 130	0 265	0 329	---	---	23
24	---	---	0 136B	0 103	1 19	0 035	0 578	0 128	0 247	0 322	---	---	24
25	---	0 991B	0 125	0 079	0 831	0 040	0 780	0 131	2 99	0 330	---	---	25
26	---	4 46 B	0 257	0 083	0 585	0 040	0 497	0 142	6 57	0 315	---	---	26
27	---	2 07 B	0 169	0 082	0 425	0 174	0 566	0 146	3 99	0 299	---	---	27
28	---	1 68 B	0 241	0 076	0 344	0 272	0 431	0 159	2 54	0 284	---	---	28
29	---		0 226	0 070	0 276	1 25	0 647	0 157	1 54	0 273	---	---	29
30	---		0 217	0 067	0 228	0 783	0 304	0 243	1 26	0 284	---	---	30
31	---		0 163		0 180		0 302	0 141		0 287	---	---	31
TOTAL	---	---	8 214	3 080	24 856	5 329	18 510	5 739	25 193	17 563	---	---	TOTAL
MEAN	---	---	0 265	0 103	0 802	0 178	0 597	0 185	0 840	0 567	---	---	MEAN
MAX	---	---	0 976	0 156	3 39	1 25	2 01	0 276	6 57	1 32	---	---	MAX
MIN	---	---	0 125	0 087	0 065	0 030	0 151	0 126	0 086	0 237	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 663
MAXIMUM DAILY, 6 57 ON SEP 26
MINIMUM DAILY, 0 030 ON JUN 20
MAXIMUM INSTANTANEOUS,
6 46 AT 04 22 MST ON SEP 26

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 07 20 N
LONG 114 02 45 W
DRAINAGE AREA, 893 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 600
FEB	---	AUG	486
MAR	710	SEP	2 180
APR	266	OCT	1 520
MAY	2 150	NOV	---
JUN	480	DEC	---

TOTAL DISCHARGE, 9 380 dam³

ROSE CREEK NEAR THE MOUTH - STATION NO 05BH901

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.200E	0.103	0.225	1.29	0.520	0.157	3.16	---	---	1
2	---	---	---	0.200E	0.101	0.195	0.769	0.446	0.147	2.49	---	---	2
3	---	---	---	0.200E	0.105	0.173	0.461	0.408	1.70	2.06	---	---	3
4	---	---	---	0.207A	2.28	0.173	0.316	0.443	0.450	1.81	---	---	4
5	---	---	---	0.207	0.647	0.226	1.02	0.565	0.903	1.50	---	---	5
6	---	---	---	0.207	0.871	1.59	0.268	0.448	0.285	1.34	---	---	6
7	---	---	---	0.193	0.394	0.370	0.272	0.378	0.270	1.28	---	---	7
8	---	---	---	0.193	0.267	0.210	0.387	0.331	0.235	1.22	---	---	8
9	---	---	---	0.188	0.226	0.214	1.20	0.333	0.380	1.08	---	---	9
10	---	---	---	0.187	0.649	0.168	0.787	0.316	0.286	0.999	---	---	10
11	---	---	---	0.214	0.231	0.148	0.565	0.278	0.550	0.897	---	---	11
12	---	---	---	0.283	0.189	0.133	1.16	0.266	0.280	0.831	---	---	12
13	---	---	---	0.417	0.933	0.131	0.840	0.306	0.338	0.793	---	---	13
14	---	---	---	0.422	2.78	0.138	0.360	0.251	0.413	0.710	---	---	14
15	---	---	---	0.420	4.05	0.425	0.487	0.248	0.244	0.673	---	---	15
16	---	---	---	0.410	2.40	0.128	1.26	0.237	2.51	0.648	---	---	16
17	---	---	---	0.398	2.81	0.125	15.9	0.239	6.08	0.599	---	---	17
18	---	---	---	0.376	2.80	0.204	2.73	0.214	1.41	0.565	---	---	18
19	---	---	---	0.318	2.76	0.160	2.15	0.205	1.18	0.526	---	---	19
20	---	---	---	0.326	4.06	0.119	1.85	0.184	1.13	0.509	---	---	20
21	---	---	---	0.141	3.83	0.116	1.33	0.183	0.685	0.507	---	---	21
22	---	---	---	0.172	2.88	0.115	1.05	0.169	0.554	0.457	---	---	22
23	---	---	---	0.081	2.24	0.108	0.961	0.169	0.506	0.428	---	---	23
24	---	---	---	0.128	1.54	0.109	0.680	0.165	0.487	0.418	---	---	24
25	---	---	---	0.120	1.13	0.104	1.89	0.141	14.4	0.385	---	---	25
26	---	---	---	0.353	0.826	0.111	0.882	0.147	13.4	0.373	---	---	26
27	---	---	---	0.131	0.647	0.515	1.87	0.138	5.89	0.349	---	---	27
28	---	---	---	0.119	0.520	0.400	0.888	0.145	4.10	0.328	---	---	28
29	---		---	0.132	0.402	11.3	1.79	0.147	3.03	0.329	---	---	29
30	---		---	0.110	0.334	1.81	0.707	1.95	2.69	0.379	---	---	30
31	---		---		0.271		0.581	0.258		0.355A		---	31
TOTAL	---	---	---	7.074	43.077	20.045	47.030	10.228	64.585	28.018	---	---	TOTAL
MEAN	---	---	---	0.236	1.39	0.668	1.52	0.330	2.16	0.904	---	---	MEAN
MAX	---	---	---	0.422	4.06	11.3	15.9	1.95	14.4	3.16	---	---	MAX
MIN	---	---	---	0.081	0.101	0.104	0.268	0.138	0.147	0.328	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 1.16
MAXIMUM DAILY, 15.9 ON JUL 17
MINIMUM DAILY, 0.101 ON MAY 2
MAXIMUM INSTANTANEOUS
24.6 AT 13:00 MST ON SEP 25

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 03 00 N
LONG 114 01 00 W
DRAINAGE AREA, 986 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 060
FEB	---	AUG	884
MAR	--	SEP	5 590
APR	611	OCT	2 420
MAY	3 720	NOV	---
JUN	1 730	DEC	---

TOTAL DISCHARGE, 18 400 dam³

NOTIKEWIN RIVER AT MANNING - STATION NO 07HC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.270B	0.175B	0.200B	1.02 B	38.9	18.4	4.47	12.5	1.44	2.40	1.47 B	0.227B	1
2	0.265B	0.174B	0.230B	0.800B	32.8	16.9	4.50	12.8	1.37	2.71	1.83 B	0.261B	2
3	0.260B	0.173B	0.200B	1.00 B	32.3	15.2	4.37	12.4	1.29	3.15	1.92 B	0.296B	3
4	0.255B	0.172B	0.230B	1.60 B	40.9	13.8	4.39	11.0	1.26	3.52	2.02 B	0.321B	4
5	0.250B	0.174B	0.250B	1.83 B	68.1	12.4	4.23	9.55	1.18	3.65	2.03 B	0.223B	5
6	0.250B	0.170B	0.230B	1.40 B	92.0	11.3	4.36	8.43	1.14	3.80	1.83 B	0.188B	6
7	0.245B	0.165B	0.200B	1.66 B	92.5	10.1	4.53	7.68	1.08	4.02	1.08 B	0.174B	7
8	0.240B	0.164B	0.180B	1.88 B	86.9	9.23	4.73	7.06	1.06	3.87	0.545B	0.193B	8
9	0.235B	0.162B	0.160B	1.66 B	85.8	8.38	5.12	6.32	1.00	3.82	0.380B	0.221B	9
10	0.230B	0.161B	0.150B	1.71 B	83.5	7.45	6.20	5.79	0.960	3.91	0.483B	0.227B	10
11	0.225B	0.160B	0.150B	2.72 B	81.6	6.86	7.86	5.13	1.01	4.00	0.524B	0.258B	11
12	0.220B	0.163B	0.170B	4.54 B	90.3	6.38	8.02	4.58	0.986	4.05	0.721B	0.284B	12
13	0.218B	0.161B	0.180B	3.39 B	117	5.95	16.2	4.05	0.906	4.15	0.690B	0.315B	13
14	0.215B	0.160B	0.190B	3.73 B	108	5.34	28.2	3.50	0.877	4.36	0.565B	0.338B	14
15	0.210B	0.158B	0.200B	5.21 B	97.7	4.77	44.5	3.16	0.834	4.50	0.460B	0.333B	15
16	0.205B	0.158B	0.210B	5.55 B	83.3	4.41	58.2	2.98	0.807	4.33	0.400B	0.330B	16
17	0.200B	0.154B	0.230B	8.34 B	69.7	4.06	83.3	2.73	0.810	4.14	0.338B	0.340B	17
18	0.195B	0.152B	0.240B	8.89 B	59.6	3.80	71.5	2.53	0.795	3.91	0.372B	0.330B	18
19	0.190B	0.150B	0.250B	10.5 B	52.6	3.45	55.8	2.39	0.795	3.74	0.280B	0.300B	19
20	0.180B	0.148B	0.240B	17.9 B	48.1	3.36	44.2	2.24	0.758	3.52	0.200B	0.270B	20
21	0.178B	0.146B	0.250B	31.8 B	44.4	3.27	34.9	2.47	0.728	3.37	0.205B	0.270B	21
22	0.175B	0.144B	0.250B	38.1 B	41.5	3.38	28.0	2.43	0.720	3.23	0.300B	0.275B	22
23	0.177B	0.142B	0.400B	46.0 B	37.7	3.74	23.1	2.33	0.735	3.07	0.420B	0.280B	23
24	0.178B	0.140B	0.750B	42.0 B	33.7	5.42	19.9	2.26	0.914	2.84	0.458B	0.283B	24
25	0.180B	0.138B	0.350B	32.5 B	30.8	7.83	18.2	2.10	0.944	2.82	0.460B	0.285B	25
26	0.182B	0.137B	0.240B	25.3 B	28.6	6.90	16.1	2.01	1.13	2.85	0.418B	0.286B	26
27	0.181B	0.150B	0.255B	24.4 B	27.1	6.09	14.8	1.92	1.36	2.38 B	0.436B	0.288B	27
28	0.180B	0.170B	0.500B	26.4	24.8	5.27	13.7	1.84	1.55	2.32 B	0.518B	0.251B	28
29	0.178B		0.700B	32.4	23.5	4.75	13.1	1.76	1.72	2.57 B	0.263B	0.245B	29
30	0.176B		1.10 B	41.9	22.0	4.41	12.8	1.57	1.88	1.30 B	0.214B	0.291B	30
31	0.174B		1.50 B		20.3		12.5	1.46		0.970B		0.309B	31
TOTAL	5.517	4.420	10.395	427.670	1 806.4	222.51	714.88	148.91	32.082	103.370	21.820	8.484	TOTAL
MEAN	0.210	0.158	0.335	14.2	58.3	7.42	23.1	4.80	1.07	3.33	0.727	0.274	MEAN
MAX	0.270	0.175	1.50	46.0	117	18.4	83.3	12.8	1.88	4.50	2.03	0.340	MAX
MIN	0.174	0.137	0.150	0.800	20.3	3.27	4.23	1.46	0.720	0.970	0.200	0.174	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.81
MAXIMUM DAILY, 117 ON MAY 13
MINIMUM DAILY, 0.137B ON FEB 28
MAXIMUM INSTANTANEOUS,
118 AT 14:30 MST ON MAY 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 55 10 N
LONG 117 37 05 W
DRAINAGE AREA, 4 680 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	563	JUL	61 800
FEB	382	AUG	12 800
MAR	895	SEP	2 770
APR	36 900	OCT	6 830
MAY	156 000	NOV	1 880
JUN	19 200	DEC	733

TOTAL DISCHARGE, 303 000 dam³

OLDMAN RIVER NEAR BROCKET - STATION NO. 05AA024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	10.5 B	8.50B	71.5	49.3	57.2	267	46.2	16.4	15.7	23.5	21.3	10.5 B	1
2	10.9 B	8.50B	66.5	45.4	55.9	252	42.7	15.9	12.4	25.4	21.8	8.50B	2
3	10.8 B	8.10B	59.4	41.3	61.5	225	41.2	15.1	11.9	24.0	23.7	8.50B	3
4	10.6 B	7.60B	54.1	40.5	86.0	187	40.8	15.5	11.8	23.1	22.8	5.80B	4
5	10.5 B	6.90B	48.8	39.0	105	169	41.5	15.1	12.6	24.9	23.4	9.50B	5
6	10.5 B	6.60B	43.8	38.0	104	187	38.4	15.3	13.3	27.3	23.7	8.00B	6
7	10.6 B	6.50B	39.7	39.3	97.8	165	35.3	14.6	12.4	31.1	21.7	7.50B	7
8	10.8 B	6.40B	46.8	41.7	84.8	152	33.0	14.2	12.2	36.1	19.9 B	7.00B	8
9	11.0 B	6.10B	44.9	48.2	94.0	144	32.9	14.4	13.5	27.5	10.0 B	7.00B	9
10	11.0 B	6.05B	38.6	55.7	95.8	131	30.1	14.0	14.4	38.6	8.30B	7.30B	10
11	10.7 B	6.00B	36.4	57.8	94.2	122	28.5	13.7	13.6	36.8	8.50B	9.00B	11
12	10.3 B	5.80B	33.8	52.3	89.6	117	27.9	13.8	13.9	35.2	8.60B	11.0 B	12
13	10.0 B	5.60B	32.3	47.0	88.1	106	27.0	14.2	13.9	34.2	8.10B	13.4 B	13
14	9.63B	5.40B	30.1	45.6	90.7	100	25.9	14.4	14.6	32.6	8.10B	14.5 B	14
15	8.95B	5.20B	28.3	46.1	85.9	101	24.6	13.3	14.1	30.9	8.50B	15.5 B	15
16	8.34B	5.10B	28.9	45.1	86.6	95.2	24.2	12.6	14.6	29.6	8.00B	14.2 B	16
17	8.25B	5.50B	27.5	43.6	87.2	87.2	25.9	12.6	14.2	28.8	7.00B	11.7 B	17
18	8.01B	5.10B	25.0	40.9	87.0	83.0	26.2	12.4	15.0	27.6	10.0 B	10.5 B	18
19	8.30B	5.00B	24.8	38.6	86.8	81.6	24.0	11.7	17.0	27.2	15.0 B	10.5 B	19
20	8.50B	4.80B	24.8	39.1	126	75.2	22.9	11.8	16.8	26.0	17.0 B	11.7 B	20
21	8.70B	4.70B	26.1	45.9	173	88.0	21.9	11.9	16.6	25.0	18.3 B	12.9 B	21
22	9.00B	4.60B	29.2	73.0	218	81.6	21.3	11.6	15.7	24.2	17.9 B	14.0 B	22
23	9.60B	4.50B	27.4	130	187	57.7	21.6	11.0	15.2	23.7	16.8 B	15.7 B	23
24	10.0 B	250 B	26.4	104	167	55.2	22.0	10.9	15.3	23.1	16.7 B	18.0 B	24
25	9.60B	150 A	25.7	92.8	166	55.1	21.7	10.9	17.5	22.5	26.5 B	14.3 B	25
26	9.00B	116 A	24.4	83.7	209	52.6	20.6	10.8	22.6	22.3	26.6 B	13.6 B	26
27	8.10B	86.8	25.1	76.6	272	50.2	20.8	10.5	22.6	22.2	18.5 B	13.7 B	27
28	8.10B	75.8	37.1	71.3	313	48.1	20.4	10.3	20.8	23.6	14.0 B	13.4 B	28
29	8.60B		52.7	65.8	332	50.4	18.9	9.98	19.0	23.4	11.5 B	13.1 B	29
30	8.60B		55.2	61.4	309	50.5	17.6	11.6	18.8	24.2	9.50B	12.0 B	30
31	8.60B		57.9		291		16.9	14.6		25.0		10.5 B	31
TOTAL	298.08	817.15	1 185.0	1 689.0	4 421.2	3 376.6	862.7	405.08	462.0	859.6	452.90	350.80	TOTAL
MEAN	9.62	29.2	38.5	56.6	143	113	27.8	13.1	15.4	27.7	15.1	11.3	MEAN
MAX	11.0	250	71.5	130	332	267	46.2	16.4	22.6	38.6	26.6	18.0	MAX
MIN	8.01	4.50	24.4	38.0	55.9	48.1	16.9	9.98	11.8	22.2	5.10	5.80	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 61.6
MAXIMUM DAILY, 332 ON MAY 29
MINIMUM DAILY, 4.50B ON FEB 23
MAXIMUM INSTANTANEOUS,
345 AT 11.40 MST ON MAY 29

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS DERIVED FROM HIGH WATER MARK

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 27 N
LONG 113 49 20 W
DRAINAGE AREA, 4 400 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	25 800	JUL	74 500
FEB	70 600	AUG	35 000
MAR	103 000	SEP	39 900
APR	147 000	OCT	74 300
MAY	382 000	NOV	39 100
JUN	292 000	DEC	30 300

TOTAL DISCHARGE, 1 310 000 dam³

OLDMAN RIVER NEAR LETHBRIDGE - STATION NO. 05AD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	29.0B	31.0B	180	93.0	86.7	473	33.4	4.28	7.25	26.9	53.6	30.5B	1
2	28.5B	30.0B	169	90.7	79.6	465	30.2	4.48	7.69	31.1	51.7	29.5B	2
3	28.0B	29.8B	153	86.3	72.1	455	27.6	5.33	7.56	36.7	51.5	28.0B	3
4	28.0B	29.7B	142	86.1	66.1	415	24.4	5.24	7.67	39.0	50.6	26.2B	4
5	28.2B	29.6B	133	83.4	92.4	388	24.2	6.81	7.58	39.6	48.1	27.9B	5
6	28.4B	29.5B	119	81.9	121	343	24.9	5.93	7.74	40.2	45.6	27.6B	6
7	28.5B	28.5B	111	80.1	130	314	25.1	5.00	7.64	41.7	45.7	27.5B	7
8	29.0B	28.0B	105	78.9	141	282	22.2	4.36	7.16	45.0	26.9B	27.4B	8
9	29.4B	27.0B	108	80.2	137	270	19.3	4.92	7.67	50.3	16.4B	27.3B	9
10	30.0B	26.5B	108	77.6	135	215	17.3	4.76	7.65	53.2	14.5B	27.3B	10
11	30.8B	26.0B	103	86.5	134	171	16.1	4.97	8.44	54.8	13.5B	27.0B	11
12	31.0B	25.5B	98.0	96.6	132	155	13.8	5.60	11.1	54.5	12.0B	27.0B	12
13	30.5B	25.0B	93.5	97.8	127	147	12.0	5.59	13.7	52.5	11.0B	27.5B	13
14	30.2B	24.0B	90.2	93.8	127	130	11.1 A	6.34	13.3	49.8	11.0B	28.5B	14
15	30.0B	23.5B	87.1	92.5	145	118	11.4 A	5.71	13.7	50.1	11.8B	29.5B	15
16	30.0B	23.0B	85.1	89.3	147	116	10.1	5.40	15.8	53.2	13.0B	29.7B	16
17	29.7B	22.5B	86.0	82.7	146	109	9.48	5.26	16.0	52.9	15.8B	29.6B	17
18	30.0B	22.2B	82.0	77.2	146	89.5	8.51	4.59	16.1	54.1	18.0B	28.5B	18
19	30.2B	22.0B	78.3	70.5	146	87.0	8.45	4.11	16.4	54.4	21.0B	27.4B	19
20	31.0B	21.8B	74.9	57.5	153	78.3	9.35	4.46	16.1	52.6	25.3B	26.6B	20
21	31.0B	21.7B	74.2	54.8	170	65.4	8.08	5.03	20.5	52.8	27.0B	26.3B	21
22	31.0B	21.8B	72.3	56.3	238	59.6	7.85	5.34	20.1	54.3	31.5B	26.3B	22
23	31.0B	23.0B	74.5	74.4	309	54.2	7.23	5.59	19.3	53.5	35.0B	26.6B	23
24	31.0B	32.0B	74.7	139	298	47.3	6.51	5.92	18.3	53.0	38.0B	27.7B	24
25	30.8B	300 B	68.2	133	276	42.4	5.08	8.13	23.9	51.6	39.0B	28.5B	25
26	30.6B	385 B	63.9	123	272	38.6	5.15	6.36	25.6	51.0	38.0B	27.6B	26
27	30.4B	300 A	61.6	114	326	34.5	5.18	6.28	26.8	50.9	36.5B	26.5B	27
28	30.2B	210	60.3	107	407	32.5	4.55	5.29	30.3	49.8	35.0B	25.2B	28
29	30.0B		64.4	101	486	32.9	4.05	5.61	29.6	48.9	33.5B	24.2B	29
30	30.0B		80.0	94.0	481	33.1	4.12	6.77	28.2	53.8	32.0B	23.6B	30
31	30.0B		88.2		471		4.08	6.68		54.1		23.5B	31
TOTAL	926.5	1 818.7	2 988.2	2 682.5	6 178.8	5 274.3	420.81	168.34	461.05	1 508.5	802.6	849.8	TOTAL
MEAN	29.9	65.0	96.4	89.4	199	176	13.6	5.43	15.4	48.7	30.1	27.4	MEAN
MAX	31.0	385	180	139	481	473	33.4	8.77	30.3	54.8	53.6	30.5	MAX
MIN	28.0	21.7	60.3	54.8	66.1	32.5	4.08	4.11	7.16	26.9	11.0	23.5	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 66.2
MAXIMUM DAILY, 481 ON MAY 30
MINIMUM DAILY, 4.08 ON JUL 31
MAXIMUM INSTANTANEOUS,
500 AT 01.15 MST ON MAY 30

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 42 30 N
LONG 112 52 30 W
DRAINAGE AREA, 17 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1910

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	80 000	JUL	35 300
FEB	157 000	AUG	14 500
MAR	258 000	SEP	39 800
APR	232 000	OCT	130 000
MAY	534 000	NOV	78 000
JUN	456 000	DEC	73 400

TOTAL DISCHARGE, 2 090 000 dam³

OLDMAN RIVER NEAR THE MOUTH - STATION NO 05AG006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	30.5B	33.0B	217 A	88.2	90.8	447	36.4	5.20E	8.20E	38.7	56.0E	39.5B	1
2	29.3B	33.2B	200 E	91.3	84.2	442	38.3	5.00E	8.40E	34.6	56.0E	38.0B	2
3	28.5B	33.4B	180 E	90.0	75.9	408	34.6	8.00E	8.50E	35.6	55.5E	36.0B	3
4	28.3B	33.5B	158 A	86.9	72.4	399	29.9	9.00E	8.50E	41.5	55.5E	33.0B	4
5	28.0B	33.0B	145	83.9	65.9	387	27.8	10.5 E	8.50E	47.1	54.8A	30.5B	5
6	28.0B	32.7B	134	80.1	83.6	376	26.8	11.5 A	8.60E	46.4	51.6A	29.0B	6
7	28.0B	32.5B	120	78.2	115	339	27.6	11.0 E	8.80E	46.3	50.0E	27.5B	7
8	28.2B	31.5B	111	76.3	125	314	27.8	10.0 E	9.00E	46.4	46.0B	26.0B	8
9	28.4B	31.0B	104	75.5	135	299	26.1 A	9.40E	10.0 E	48.4	43.0B	25.0B	9
10	28.5B	30.0B	105	75.3	130	278	24.3 A	8.80E	11.0 E	52.6	30.0B	23.5B	10
11	29.0B	29.3B	106	71.9	127	216	21.3	9.00E	14.0 A	58.5	24.0B	22.8B	11
12	29.2B	28.5B	101	70.7	125	178	19.2	10.0 E	14.2 A	57.5	21.0B	22.0B	12
13	29.5B	27.5B	95.3	92.6A	121	166	17.6	10.7 E	14.0	59.4	16.5B	23.0B	13
14	29.8B	26.5B	91.0	95.0A	116	157	17.4	11.6 A	15.8	57.9	16.2B	25.0B	14
15	30.5B	26.0B	87.7	89.9	117	140	17.1	11.1	18.9	54.9	16.8B	26.8B	15
16	31.0B	25.0B	84.3	87.8	134	128	15.4	11.1	20.0	51.4	17.5B	28.0B	16
17	31.2B	24.0B	83.5	85.0	136	126	12.9 A	11.3	20.6	55.6	18.3B	29.5B	17
18	31.8B	23.0B	83.2	78.8	133	117	13.0 E	10.9	21.6	54.7	19.8B	30.5B	18
19	32.0B	22.5B	79.5	73.1	134	93.5	12.0 E	10.2	22.5	57.2	21.0B	30.0B	19
20	32.2B	22.2B	76.4	66.2	132	91.8	11.2 E	9.63A	22.4	58.1	22.2B	29.0B	20
21	32.3B	22.3B	72.7	54.4	139	81.9	10.5 E	9.20E	22.4	57.5	24.0B	28.0B	21
22	32.3B	23.0B	71.3	47.8	163	70.5	10.6 E	9.00E	23.3	55.4	26.0B	28.0B	22
23	32.2B	26.0B	69.7	49.3	246	63.1	10.0 E	8.60E	24.9	57.8	29.0B	28.0B	23
24	32.1B	34.0B	71.2	64.1	306	56.5	9.60E	8.10E	23.7	58.1	31.0B	29.5B	24
25	32.0B	75.0B	72.4	140	290	50.9	8.00E	8.00E	32.6	57.1	34.0B	30.5B	25
26	32.0B	450 B	66.8	133	273	45.1	6.60E	7.60E	35.2	56.8	36.0B	31.0B	26
27	31.8B	376 A	62.4	123	284	40.7	5.60E	7.10E	39.7	55.5	38.0B	30.0B	27
28	32.0B	281	58.6	111	355	37.2	5.60E	7.20E	36.3	55.0	39.0B	29.0B	28
29	32.2B		57.2	102	430	36.8	5.40E	7.60E	38.4	52.9A	40.0B	28.0B	29
30	32.4B		58.3	96.2	468	38.0	5.00E	8.00E	39.6	58.0E	40.0B	26.5B	30
31	32.8B		76.7		454		6.60E	8.10E		58.0E		25.0B	31
TOTAL	946.0	1 865.6	3 099.2	2 566.5	5 660.8	5 623.0	538.30	283.43	590.60	1 622.9	1 028.7	888.1	TOTAL
MEAN	30.5	66.6	100	85.6	183	187	17.4	9.14	19.7	52.4	34.3	28.6	MEAN
MAX	32.8	450	217	140	468	447	38.3	11.6	39.7	59.4	56.0	39.5	MAX
MIN	28.0	22.2	57.2	47.8	65.9	36.8	4.60	5.20	8.20	34.6	16.2	22.0	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 57.7
MAXIMUM DAILY, 468 ON MAY 30
MINIMUM DAILY, 4.60E ON JUL 31
MAXIMUM INSTANTANEOUS,
478 AT 16 30 MST ON MAY 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 08 N
LONG 111 48 00 W
DRAINAGE AREA, 27 500 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	81 700	JUL	46 500
FEB	161 000	AUG	24 500
MAR	268 000	SEP	51 000
APR	222 000	OCT	140 000
MAY	489 000	NOV	88 900
JUN	486 000	DEC	76 700

TOTAL DISCHARGE, 2 140 000 dam³

OLDMAN RIVER NEAR WALDRON'S CORNER - STATION NO 05AA023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.18B	2.78B	6.60B	7.88	13.5	106	14.2	6.53	6.09	6.78	5.37	4.07B	1
2	3.00B	3.00B	6.50B	7.18	13.5	98.1	13.1	6.30	5.59	7.23	5.75	4.08B	2
3	2.82B	3.09B	6.30B	6.32	18.3	84.3	13.3	6.20	5.44	6.74	6.87	3.06B	3
4	2.26B	2.50B	6.00B	6.66	28.7	70.2	14.1	6.16	5.49	7.07	6.61	2.73B	4
5	2.28B	2.09B	5.70B	6.87	29.5	62.1	13.8	6.07	6.17	7.81	6.21	3.56B	5
6	2.73B	2.05B	5.40B	7.02	29.1	57.3	12.4	6.20	5.96	8.80	5.64	3.50B	6
7	2.63B	2.00B	5.40B	7.80	26.5	55.0	11.4	5.81	5.62	9.91	5.22	3.33B	7
8	2.71B	1.95B	5.80B	9.56	27.2	52.4	11.2	5.68	5.50	10.6	3.63B	3.13B	8
9	2.66B	1.90B	5.50B	13.7	28.1	49.0	11.7	5.98	5.78	10.4	2.22B	2.73B	9
10	2.69B	1.85B	5.30B	16.1	26.7	44.6	10.5	5.67	5.77	10.2	2.10B	2.93B	10
11	2.64B	1.80B	5.10B	13.4	27.2	43.2	10.1	5.83	5.73	9.52	2.00B	2.84B	11
12	2.43B	1.76B	4.98B	10.6	25.4	40.6	10.0	5.72	6.03	9.08	2.00B	3.06B	12
13	2.44B	1.70B	4.80B	9.21	25.2	35.8	9.45	6.38	5.69	8.82	1.90B	2.96B	13
14	2.49B	1.67B	4.50B	9.67	24.0	32.9	9.07	5.95	5.59	8.41	1.90B	3.00B	14
15	2.36B	1.65B	4.35B	8.51	22.3	34.9	8.61	5.54	5.51	8.10	2.20B	2.90B	15
16	2.32B	1.62B	4.10B	8.46	21.7	31.3	8.72	5.33	5.39	7.83	2.70B	2.77B	16
17	2.24B	1.60B	4.05B	8.14	23.2	28.2	10.3	5.25	5.27	7.64	3.40B	2.43B	17
18	2.26B	1.58B	3.72	7.86	26.1	28.1	9.08	5.10	5.42	7.37	4.00B	2.72B	18
19	2.50B	1.55B	4.04	7.56	34.3	27.1	8.40	5.00	5.46	7.06	5.00B	2.65B	19
20	3.00B	1.50B	4.12	9.12	51.0	24.1	8.05	5.08	5.47	6.95	5.20B	2.78B	20
21	2.80B	1.50B	4.81	15.2	86.3	21.8	7.78	4.98	5.39	6.84	5.20B	2.95B	21
22	2.72B	1.55B	4.83	39.5	90.2	19.6	7.53	4.93	5.19	6.67	5.64B	2.98B	22
23	2.85B	1.60B	4.40	41.3	65.8	18.5	7.47	4.87	5.09	6.51	5.31B	2.99B	23
24	2.74B	4.00B	4.55	28.3	57.0	18.4	7.77	4.83	5.16	6.36	5.98B	2.92B	24
25	1.87B	8.00B	4.16	24.0	64.8	16.0	7.48	4.81	5.57	6.33	5.57B	2.82B	25
26	2.50B	7.80B	4.19	20.8	98.0	17.0	7.81	4.71	7.18	6.25	5.08B	2.87B	26
27	3.40B	7.20B	5.33	18.6	124	16.0	8.33	4.55	6.74	6.42	4.92B	2.79B	27
28	2.79B	6.85B	10.8	17.7	138	15.4	7.98	4.60	6.21	6.96	4.52B	2.75B	28
29	2.72B		15.2	16.9	137	17.1	7.46	4.55	5.85	6.57	3.50B	2.71B	29
30	2.73B		12.1	14.6	125	15.8	7.13	4.95	5.95	6.80	3.01B	2.84B	30
31	2.84B		9.58		118		6.77	7.17		6.30		2.00B	31
TOTAL	81.69	78.13	182.32	417.32	1 625.4	1 183.8	301.02	170.81	171.30	238.34	132.63	91.62	TOTAL
MEAN	2.64	2.78	5.88	13.9	52.4	39.5	9.71	5.51	5.71	7.69	4.42	2.96	MEAN
MAX	3.40	8.00	15.2	41.3	138	106	14.2	7.17	7.18	10.6	6.87	4.08	MAX
MIN	1.87	1.50	3.72	6.32	13.5	15.8	6.77	4.55	5.09	6.25	1.90	2.00	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.8
MAXIMUM DAILY, 138 ON MAY 26
MINIMUM DAILY, 1.50B ON FEB 20
MAXIMUM INSTANTANEOUS,
154 AT 23 35 MST ON MAY 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 48 50 N
LONG 114 11 00 W
DRAINAGE AREA, 1 440 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 080	JUL	28 000
FEB	6 780	AUG	14 800
MAR	15 800	SEP	14 800
APR	36 100	OCT	20 800
MAY	140 000	NOV	11 500
JUN	102 000	DEC	7 920

TOTAL DISCHARGE, 403 000 dam³

ONETREE CREEK NEAR PATRICIA - STATION NO 05CJ005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.590B	0.215E	0.100E	1.04	5.75	3.32	2.17	2.50	0.136B	---	1
2	---	---	0.580B	0.190E	0.160E	1.20	4.36	2.98	1.88	2.53	0.121B	---	2
3	---	---	0.560B	0.155E	0.223	1.12	4.04	3.08	1.55	2.25	0.134B	---	3
4	---	---	0.530B	0.144E	0.297	1.46	3.39	3.59	1.39	1.84	0.138B	---	4
5	---	---	0.200B	0.180E	0.380	1.72	4.43	3.87	1.22	1.62	0.124B	---	5
6	---	---	0.070B	0.150E	0.233	2.03	4.61	3.73	0.941	1.46	0.127B	---	6
7	---	---	0.054B	0.148E	0.153	2.13	3.93	3.60	0.730	1.26	0.081B	---	7
8	---	---	0.051B	0.147E	0.149	2.86	3.26	3.41	0.650	1.10	0.265B	---	8
9	---	---	0.052B	0.142E	0.148	3.03	3.63	3.33	0.588	1.25	0.250B	---	9
10	---	---	0.055B	0.128E	0.145	2.32	4.59	2.97	0.520	0.955	0.247B	---	10
11	---	---	0.058B	0.108E	0.144	2.15	3.36	3.92	0.498	0.896	0.270B	---	11
12	---	---	0.061B	0.090E	0.216	1.84	3.27	3.81	0.545	0.682	0.242B	---	12
13	---	---	0.062B	0.070E	0.169	2.27	3.21	3.49	0.336	0.556	0.297B	---	13
14	---	---	0.060B	0.060E	0.415	2.74	3.05	3.37	0.245	0.453	0.227B	---	14
15	---	---	0.058B	0.062E	1.30	3.26	2.74	3.25	0.206	0.387	0.172B	---	15
16	---	---	0.057B	0.065E	1.32	3.20	2.54	3.25	0.240	0.325	0.135B	---	16
17	---	---	0.057B	0.068A	0.953	3.32	3.79	3.35	0.244	0.275	0.095B	---	17
18	---	---	0.080B	0.068E	0.963	2.85	3.91	3.14	0.782	0.385	0.070B	---	18
19	---	---	0.150B	0.066E	1.14	2.94	2.97	2.71	1.46	0.309	0.067B	---	19
20	---	---	0.240B	0.062E	1.27	3.27	2.37	2.45	2.08	0.272	0.071B	---	20
21	---	---	0.274B	0.060E	1.36	3.19	2.16	2.40	2.26	0.252	0.080B	---	21
22	---	---	0.300B	0.060E	1.63	2.72	2.23	2.64	2.41	0.201	0.091B	---	22
23	---	---	0.310B	0.061E	2.16	2.91	2.28	2.74	2.81	0.174	0.102B	---	23
24	---	0 8	0.295B	0.061E	1.99	2.56	2.49	2.61	2.70	0.159	0.123B	---	24
25	---	---	0.285B	0.062E	2.65	2.85	3.19	2.50	7.34	0.147	0.125B	---	25
26	---	0.566B	0.282B	0.072E	1.62	3.53	3.50	2.53	12.7	0.126	0.130B	---	26
27	---	0.570B	0.263B	0.082E	1.45	3.08	4.84	2.56	7.09	0.120	0.131B	---	27
28	---	0.582B	0.305B	0.075E	1.82	3.42	5.18	2.68	4.62	0.124	0.131B	---	28
29	---	---	0.338B	0.063E	1.42	4.09	4.57	2.91	3.58	0.114	0.131B	---	29
30	---	---	0.358B	0.079E	1.37	5.86	3.85	2.95	2.60	0.112	0.131B	---	30
31	---	---	0.270B		0.899		3.73	2.71		0.120B		---	31
TOTAL	---	---	6.926	2.973	28.247	80.95	111.03	95.86	66.506	22.953	4.444	---	TOTAL
MEAN	---	---	0.223	0.099	0.911	2.70	3.58	3.09	2.22	0.740	0.148	---	MEAN
MAX	---	---	0.590	0.215	2.65	5.86	5.75	3.92	12.7	2.53	0.297	---	MAX
MIN	---	---	0.051	0.060	0.100	1.04	2.16	2.40	0.206	0.112	0.067	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.70
MAXIMUM DAILY, 12.7 ON SEP 26
MINIMUM DAILY, 0.051B ON MAR 5
MAXIMUM INSTANTANEOUS,
15.3 AT 00 12 MST ON SEP 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 44 00 N
LONG 111 41 15 W
DRAINAGE AREA, 496 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	9 590
FEB	---	AUG	8 280
MAR	598	SEP	5 750
APR	257	OCT	1 980
MAY	2 440	NOV	384
JUN	6 990	DEC	---

TOTAL DISCHARGE, 35 900 dam³

OWL RIVER BELOW PICHE RIVER - STATION NO 07CA013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.18B	2.29B	6.18	6.99	3.80	17.7	5.59	2.98	1.65B	---	1
2	---	---	1.14B	2.11B	6.24	6.50	3.65	17.4	5.34	3.06	2.07B	---	2
3	---	---	1.09B	2.32B	6.16	6.25	3.32	17.3	5.34	2.89	2.01B	---	3
4	---	---	1.07B	2.90B	6.24	5.83	3.26	17.0	5.29	2.75	2.02B	---	4
5	---	---	1.06B	3.79B	6.25	5.54	3.38	16.6	5.15	2.52	2.00B	---	5
6	---	---	1.06B	5.44B	6.17	5.22	3.82	16.4	4.86	2.57	---	---	6
7	---	---	1.06B	6.29B	5.94	4.89	4.29	16.1	4.70	2.59	---	---	7
8	---	---	1.06B	7.16B	5.87	4.68	4.63	15.7	4.51	2.60	---	---	8
9	---	---	1.06B	7.56B	5.85	4.44	4.70	15.3	4.36	2.53	---	---	9
10	---	---	1.06B	6.57B	5.83	4.45	4.63	14.9	4.35	2.63	---	---	10
11	---	---	1.06B	5.77B	5.87	4.41	4.53	14.5	4.12	2.53	---	---	11
12	---	---	1.06B	5.50B	5.99	4.45	4.45	14.0	3.83	2.58	---	---	12
13	---	---	1.06B	5.20B	6.11	4.54	4.70	13.6	3.64	2.88	---	---	13
14	---	---	1.06B	5.00B	5.97	4.63	5.49	12.8	3.52	2.78	---	---	14
15	---	---	1.06B	4.90B	5.80	4.82	6.80	12.2	3.39	2.73	---	---	15
16	---	---	1.06B	4.88B	5.72	4.68	8.88	11.6	3.35	2.74	---	---	16
17	---	---	1.06B	4.88B	5.66	4.41	10.0	11.1	3.32	2.70	---	---	17
18	---	---	1.06B	4.90B	5.68	4.20	11.5	10.7	3.21	2.64	---	---	18
19	---	---	1.06B	5.00B	5.65	3.97	12.2	10.3	3.04	2.76	---	---	19
20	---	---	1.06B	5.10B	5.63	3.88	12.8	9.78	2.89	2.71	---	---	20
21	---	---	1.50B	5.42	5.45	4.45	13.3	9.28	2.76	2.57	---	---	21
22	---	---	1.65B	5.45	5.74	5.32	14.1	8.90	2.59	2.44	---	---	22
23	---	---	1.69B	5.24	6.36	5.90	15.9	8.57	2.52	2.36	---	---	23
24	---	---	1.70B	5.13	6.78	6.41	18.7	8.20	2.44	2.25	---	---	24
25	---	---	1.70B	5.03	7.22	6.08	20.9	7.83	2.31	2.24	---	---	25
26	---	1.18B	1.77B	4.86	7.53	5.76	20.2	7.49	2.37	2.28	---	---	26
27	---	1.17B	1.88B	4.91	7.83	5.66	18.3	7.19	2.63	2.23	---	---	27
28	---	1.18B	2.03B	5.07	7.57	5.11	16.9	6.89	2.82	2.12	---	---	28
29	---		2.17B	5.13	7.45	4.82	16.5	6.65	2.65	1.73B	---	---	29
30	---		2.28B	5.27	7.32	4.21	16.2	6.23	2.78	1.58B	---	---	30
31	---		2.36B		7.18		15.1	5.89		1.46B		---	31
TOTAL	---	---	42.17	151.19	195.23	152.30	317.72	367.80	109.70	77.41	---	---	TOTAL
MEAN	---	---	1.36	5.04	6.30	5.08	10.2	11.9	3.66	2.50	---	---	MEAN
MAX	---	---	2.35	7.86	7.83	6.89	20.9	17.7	5.59	3.06	---	---	MAX
MIN	---	---	1.06	2.11	5.45	3.88	3.25	5.89	2.31	1.46	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.77
MAXIMUM DAILY, 20.9 ON JUL 25
MINIMUM DAILY, 1.06B ON MAR 5
MAXIMUM INSTANTANEOUS,
21.1 AT 03 39 MST ON JUL 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 00 38 N
LONG 111 51 15 W
DRAINAGE AREA, 3 080 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	27 500
FEB	---	AUG	31 800
MAR	3 640	SEP	9 480
APR	13 100	OCT	5 690
MAY	16 900	NOV	---
JUN	13 200	DEC	---

TOTAL DISCHARGE, 122 000 dam³

PADDLE RIVER AT BARRHEAD - STATION NO 07BB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	9.50 B	39.3 B	17.7	6.24	2.57	4.85	5.77	3.79	1.45	---	1
2	---	---	9.50 B	28.2 B	17.1	5.61	2.34	4.15	5.76	3.54	2.30	---	2
3	---	---	9.55 B	19.2 B	16.4	5.17	2.23	3.27	5.60	3.99	3.22	---	3
4	---	---	9.55 B	19.2 B	14.8	4.78	2.03	2.86	5.52	3.94	2.13	---	4
5	---	---	7.67 B	18.6	13.4	4.48	1.80	2.41	5.41	3.82	1.67	---	5
6	---	---	4.35 B	18.8	12.1	4.29	0.868	1.93	5.30	4.25	1.29A	---	6
7	---	---	1.79 B	18.5	11.4	4.13	0.460	1.62	5.25	5.03	---	---	7
8	---	---	4.16 B	17.0	10.5	4.04	0.498	1.31	5.17	4.76	---	---	8
9	---	---	5.45 B	15.5	10.2	3.92	0.894	1.09	4.95	4.47	---	---	9
10	---	---	5.51 B	15.1	9.85	3.70	0.779	0.860	4.91	4.22	---	---	10
11	---	---	5.12 B	14.2	10.9	3.77	0.789	0.639	4.82	3.98	---	---	11
12	---	---	3.90 B	11.3	11.8	3.50	0.443	0.525	0.832	3.83	---	---	12
13	---	---	1.96 B	9.61	11.0	3.39	1.35	0.379	0.286	3.44	---	---	13
14	---	---	1.47 B	8.48	10.6	3.28	1.37	0.314	0.331	3.24	---	---	14
15	---	---	0.833B	7.88	10.2	3.38	1.92	0.355	1.07	3.12	---	---	15
16	---	---	1.15 B	7.60	11.2	3.32	3.00	0.228	0.971	3.05	---	---	16
17	---	---	1.40 B	8.18	11.5	3.33	7.71	0.205	0.550	3.00	---	---	17
18	---	---	1.39 B	13.3	10.4	4.37	8	0.209	0.312	2.91	---	---	18
19	---	---	1.17 B	27.3	9.58	4.21	36.3	0.346	0.269	2.93	---	---	19
20	---	---	1.32 B	32.8	9.06	3.92	54.7	0.285	0.269	2.95	---	---	20
21	---	---	8.98 B	31.6	8.88	6.67	66.0	0.271	0.293	2.53	---	---	21
22	---	---	17.2 B	27.7	8.58	6.84	65.7	0.326	0.298	2.49	---	---	22
23	---	---	26.9 B	24.6	9.86	4.70	49.1	0.297	0.408	2.55	---	---	23
24	---	---	32.3 B	23.4	12.0	4.01	33.0	0.437	0.347	2.94	---	---	24
25	---	---	25.2 B	24.3	10.9	3.88	23.0	0.420	0.248	2.54	---	---	25
26	---	---	23.9 B	23.6	9.84	4.28	17.3	0.432	0.399	2.37	---	---	26
27	---	---	22.8 B	22.9	8.97	3.80	13.3	0.533	0.645	2.26	---	---	27
28	---	---	27.5 B	20.9	8.36	3.47	10.9	1.43	0.638	2.96	---	---	28
29	---	---	41.0 B	18.4	7.57	3.18	9.22	5.39	3.20	3.05	---	---	29
30	---	---	44.6 B	18.2	7.08	2.85	7.38	5.78	4.37	2.48	---	---	30
31	---	---	43.5 B		6.61		6.12	5.76		2.09	---	---	31
TOTAL	---	---	400.633	586.65	338.23	126.51	432.389	48.911	74.296	101.92	---	---	TOTAL
MEAN	---	---	12.9	19.5	10.9	4.22	13.9	1.58	2.48	3.28	---	---	MEAN
MAX	---	---	44.6	39.3	17.7	6.84	66.0	5.78	5.77	5.03	---	---	MAX
MIN	---	---	0.833	7.60	6.61	2.85	0.460	0.205	0.248	2.09	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 8.61
MAXIMUM DAILY, 66.0 ON JUL 21
MINIMUM DAILY, 0.205 ON AUG 17
MAXIMUM INSTANTANEOUS,
69.0 AT 03 07 MST ON JUL 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 06 45 N
LONG 114 23 55 W
DRAINAGE AREA, 2 390 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1984

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	37 400
FEB	---	AUG	4 230
MAR	34 600	SEP	6 420
APR	50 700	OCT	8 810
MAY	29 200	NOV	---
JUN	10 900	DEC	---

TOTAL DISCHARGE, 182 000 dam³

PADDLE RIVER AT HIGHWAY NO. 754 - STATION NO 07BB013

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	5.200E	6.280	5.523	4.614	4.355	4.469	4.480	4.492	4.414	---	1
2	---	---	5.218E	5.884	5.483	4.577	4.340	4.459	4.472	4.498	4.555	---	2
3	---	---	5.236E	5.563	5.399	4.556	4.313	4.359	4.470	4.519	4.304	---	3
4	---	---	5.254E	5.461	5.276	4.528	4.297	4.349	4.484	4.492	4.262	---	4
5	---	---	5.272E	5.460	5.198	4.508	4.183	4.315	4.455	4.503	4.210	---	5
6	---	---	5.290	5.539	5.107	4.498	4.054	4.275	4.444	4.570	4.210A	---	6
7	---	---	5.396	5.500	5.062	4.491	4.013	4.247	4.436	4.572	---	---	7
8	---	---	5.388	5.410	4.989	4.488	4.046	4.226	4.427	4.537	---	---	8
9	---	---	5.491	5.332	4.953	4.483	4.008	4.197	4.418	4.518	---	---	9
10	---	---	5.474	5.351	4.971	4.458	4.000	4.172	4.406	4.496	---	---	10
11	---	---	5.333	5.156	5.082	4.456	4.000	4.144	4.178	4.458	---	---	11
12	---	---	5.157	4.977	5.038	4.437	4.063	4.125	4.018	4.438	---	---	12
13	---	---	5.041	4.878	4.965	4.426	4.083	4.104	4.007	4.439	---	---	13
14	---	---	4.868	4.822	4.847	4.440	4.151	4.095	4.204	4.418	---	---	14
15	---	---	4.903	4.788	4.966	4.431	4.287	4.075	4.186	4.406	---	---	15
16	---	---	4.844	4.763	5.062	4.424	4.354	4.058	4.117	4.394	---	---	16
17	---	---	4.830	4.874	5.011	4.506	4.404	4.053	4.023	4.393	---	---	17
18	---	---	4.844	5.756	4.939	4.514	5.842	4.075	4.032	4.393	---	---	18
19	---	---	4.898	6.345	4.863	4.487	7.146	4.055	4.105	4.378	---	---	19
20	---	---	5.201	6.438	4.843	4.512	7.978	4.020	4.123	4.370	---	---	20
21	---	---	5.682	6.244	4.791	4.948	8.044	4.006	4.144	4.370	---	---	21
22	---	---	5.050	6.034	4.806	4.658	7.356	4.006	4.162	4.360	---	---	22
23	---	---	5.389	5.948	5.027	4.545	6.537	4.034	4.145	4.386	---	---	23
24	---	---	5.500	5.838	5.078	4.503	5.988	4.004	4.155	4.372	---	---	24
25	---	---	5.845	5.955	4.970	4.488	5.604	4.032	4.180	4.353	---	---	25
26	---	---	6.546	5.925	4.905	4.473	5.285	4.080	4.188	4.340	---	---	26
27	---	---	6.380	5.818	4.856	4.447	5.058	4.146	4.206	4.337	---	---	27
28	---	---	6.528	5.712	4.778	4.425	4.899	4.383	4.360	4.328	---	---	28
29	---		6.621	5.601	4.718	4.389	4.741	4.505	4.528	4.320	---	---	29
30	---		6.730	5.552	4.676	4.386	4.644	4.498	4.538	4.328	---	---	30
31	---		6.592		4.643		4.555	4.489		4.388		---	31
MEAN	---	---	5.616	5.577	4.988	4.504	4.988	4.185	4.289	4.425	---	---	MEAN
MAX	---	---	6.845	6.438	5.523	4.949	8.044	4.505	4.538	4.572	---	---	MAX
MIN	---	---	4.830	4.763	4.643	4.386	4.000	4.004	4.007	4.320	---	---	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MAXIMUM DAILY, 8.044 ON JUL 21

MAXIMUM INSTANTANEOUS,
8.120 AT 04 52 MST ON JUL 21

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 02 54 N
LONG 114 40 12 W

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

DRAINAGE AREA,
1 720 km²

PADDLE RIVER NEAR ANSELMO - STATION NO. 07BB011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.62 B	2 008	2 94	0 961	0 412	0 631	0.070	1 56	0.280	---	1
2	---	---	1 62 B	1 398	2 56	0 709	0 348	0 484	0.069	1 80	0 301	---	2
3	---	---	1 62 B	1 588	2 34	0 590	0.333	0 400	0 072	1 54	0 360	---	3
4	---	---	1.09 B	2 348	2 17	0 475	0.307	0 529	0 086	1 50	0 452	---	4
5	---	---	0 825B	3 538	2 00	0 408	0 371	0 593	0 083	1 88	0 448	---	5
6	---	---	0 509B	4 028	2 13	0 433	0.508	0 451	0 108	1 81	0.386A	---	6
7	---	---	0.331B	3 768	2 10	0 343	0 454	0.346	0 102	1 28	---	---	7
8	---	---	0.083B	3 768	2 12	0 275	0 409	0 285	0 088	1 14	---	---	8
9	---	---	0 103B	3 808	2 55	0.245	0 537	0.220	0 107	1 03	---	---	9
10	---	---	0.121B	3 068	2 81	0.222	0 898	0 191	0 105	0 894	---	---	10
11	---	---	0 157B	2 798	2 80	0.248	1 37	0 157	0.225	0 798	---	---	11
12	---	---	0.187B	2 458	2.42	0 503	1 76	0.162	0 828	0 731	---	---	12
13	---	---	0.149B	2 108	2 28	0 420	2 79	0 137	0 531	0 693	---	---	13
14	---	---	0.112B	1 728	2 41	0 332	4 61	0 125	0 350	0 622	---	---	14
15	---	---	0 094B	1 338	3 18	0 571	4 00	0 105	0 277	0 579	---	---	15
16	---	---	0 084B	1 718	2 81	3 49	2 95	0 099	0 256	0 544	---	---	16
17	---	---	0 081B	3 188	2 29	2 83	9 50	0 100	0 295	0 514	---	---	17
18	---	---	0 075B	7 57	2 06	2 11	46 6 A	0 094	0 236	0 471	---	---	18
19	---	---	0 085B	7 75	1 92	2 14	30 0 E	0 090	0 226	0 422	---	---	19
20	---	---	0 290B	6 46	1 76	4 41	15 0 E	0 092	0 243	0 406	---	---	20
21	---	---	1 20 B	5 31	1 80	2 86	6 38 A	0 089	0 239	0 396	---	---	21
22	---	---	1 93 B	4 58	5 25	1 81	3 58 A	0 082	0 212	0 376	---	---	22
23	---	---	2 40 B	4 61	5 35	1 22	2 85	0 071	0 223	0 359	---	---	23
24	---	---	1 58 B	4 76	3 95	1 07	2 00	0 069	0 236	0 351	---	---	24
25	---	---	0 945B	4 34	3 16	0 932	1 51	0 064	0 347	0 345	---	---	25
26	---	---	1 26 B	3 80	2 57	0 790	1 16	0 076	0 965	0 356	---	---	26
27	---	---	3 17 B	3 30	2 12	0 655	1 24	0 082	2 12	0 366	---	---	27
28	---	---	3 65 B	3 23	1 81	0 512	1 35	0 083	2 74	0 356	---	---	28
29	---		3 71 B	3 68	1 80	0 463	1 21	0 084	1 91	0 373	---	---	29
30	---		3 53 B	3 66	1 43	0 464	0 949	0 078	1 52	0 402	---	---	30
31	---		2 69 B		1 24		0 846	0 072		0 324	---	---	31
TOTAL	---	---	35 301	107 58	77 73	32 591	146 032	e 121	14 890	24 118	---	---	TOTAL
MEAN	---	---	1 14	3 59	2 51	1 09	4 71	0 197	0 496	0 778	---	---	MEAN
MAX	---	---	3 71	7 75	5 35	4 41	46 6	0 631	2 74	1 88	---	---	MAX
MIN	---	---	0 075	1 33	1 24	0 222	0 307	0 084	0 069	0 324	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 81
MAXIMUM DAILY, 46 6A ON JUL 18
MINIMUM DAILY, 0 064 ON AUG 25
MAXIMUM INSTANTANEOUS,
110 ON JUL 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 51 29 N
LONG 115 21 45 W
DRAINAGE AREA, 261 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	12 600
FEB	---	AUG	529
MAR	3 050	SEP	1 290
APR	9 290	OCT	2 080
MAY	6 720	NOV	---
JUN	2 820	DEC	---

TOTAL DISCHARGE, 38 400 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS DERIVED FROM HIGH WATER MARKS, TIME AND DATE UNKNOWN

PADDLE RIVER NEAR ROCHFORT BRIDGE - STATION NO. 07BB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 080B	7 66B	5 98	4 51	3 02	2 48	4 28	2 62	1 88	---	1
2	---	---	0 080B	6 17	5 39	4 47	2 92	2 15	4 16	2 62	1 82	---	2
3	---	---	0 084B	4 95	5 67	4 46	2 76	1 84	4 08	2 60	1 23	---	3
4	---	---	0 060B	4 43	5 05	4 48	1 16	1 56	3 97	2 60	0 476	---	4
5	---	---	0 020B	4 40	4 72	4 42	0	1 40	3 91	2 59	0 820	---	5
6	---	---	0 002B	5 11	4 46	4 34	0	1 27	3 83	2 58	0 844A	---	6
7	---	---	0 002B	5 83	4 42	4 24	0	1 17	3 73	2 60	---	---	7
8	---	---	0 002B	5 58	4 30	4 17	0	1 03	3 69	2 60	---	---	8
9	---	---	0 002B	5 35	4 28	4 07	0	0 874	3 59	2 59	---	---	9
10	---	---	0 002B	5 31	4 38	3 91	0	0 776	3 31	2 60	---	---	10
11	---	---	0 002B	4 82	4 39	3 87	0	0 851	0 050	2 57	---	---	11
12	---	---	0 001B	4 27	4 40	3 82	0	0 559	0 412	2 57	---	---	12
13	---	---	0 001B	3 98	4 44	3 76	0 002	0 486	1 51	2 52	---	---	13
14	---	---	0 001B	3 78A	4 42	3 71	0 021	0 409	1 51	2 54	---	---	14
15	---	---	0 001B	3 50E	4 49	3 63	0 010	0 349	0 567	2 50	---	---	15
16	---	---	0 001B	3 86A	4 52	3 51	0 377	0 277	0 021	2 45	---	---	16
17	---	---	0 001B	4 60E	4 54	3 56	2 94	0 241	0 018	2 44	---	---	17
18	---	---	0 001B	5 50E	4 58	3 60	15 1	0 215	0 010	2 43	---	---	18
19	---	---	1 04 B	6 70E	4 57	3 60	40 1	0 174	0 007	2 43	---	---	19
20	---	---	2 88 B	8 00E	4 55	3 61	42 0	0 141	0 007	2 35	---	---	20
21	---	---	3 05 B	9 50E	4 48	3 64	30 1	0 132	0 006	2 33	---	---	21
22	---	---	3 28 B	11 0 A	4 46	3 70	22 8	0 145	0 005	2 28	---	---	22
23	---	---	3 22 B	11 5 A	4 58	3 66	18 1	0 100	0 005	2 27	---	---	23
24	---	---	2 85 B	11 4 E	4 74	3 65	14 6	0 077	0 006	2 25	---	---	24
25	---	---	3 54 B	11 3 A	4 94	3 57	11 1	0 512	0 011	2 21	---	---	25
26	---	---	3 67 B	10 8	4 93	3 52	8 11	1 08	0 022	2 18	---	---	26
27	---	---	3 79 B	9 76	4 80	3 46	5 95	2 73	0 045	2 15	---	---	27
28	---	---	3 98 B	8 53	4 71	3 33	4 48	4 67	1 23	2 08	---	---	28
29	---		5 94 B	7 57	4 63	3 24	3 58	4 63	2 56	2 02	---	---	29
30	---		8 64 B	7 23	4 58	3 10	3 08	4 51	2 60	1 96	---	---	30
31	---		8 57 B		4 57		2 77	4 37		1 91	---	---	31
TOTAL	---	---	95 593	202 20	147 00	114 62	235 080	40 988	67 149	74 48	---	---	TOTAL
MEAN	---	---	1 79	6 74	4 74	3 82	7 58	1 32	1 57	2 40	---	---	MEAN
MAX	---	---	8 64	11 5	5 98	4 51	42 0	4 67	4 28	2 62	---	---	MAX
MIN	---	---	0 001	3 50	4 28	3 10	0	0 077	0 005	1 91	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3 76
MAXIMUM DAILY, 42 0 ON JUL 20
MINIMUM DAILY, 0 ON JUL 5
MAXIMUM INSTANTANEOUS,
47.8 AT 20 09 MST ON JUL 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 53 44 N
LONG 115 02 27 W
DRAINAGE AREA, 525 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1984

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	20 300
FEB	---	AUG	3 540
MAR	4 800	SEP	4 070
APR	17 500	OCT	6 430
MAY	12 700	NOV	---
JUN	9 900	DEC	---

TOTAL DISCHARGE, 78 200 dam³

PADDLE RIVER NEAR SANCHOO - STATION NO. 07BB012

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	3.670	---	2.774	2.510A	2.587	---	---	---	---	1
2	---	---	---	3.380	---	2.743	---	2.529	---	---	---	---	2
3	---	---	---	3.172	---	2.723	---	2.492	---	---	---	---	3
4	---	---	3.380	3.151	---	2.700	---	2.455	---	---	---	---	4
5	---	---	3.423	3.258	---	2.686	---	2.412	---	---	---	---	5
6	---	---	3.008	3.351	2.960A	2.674	---	2.387	---	---	---	---	6
7	---	---	2.961	3.362	2.927	2.665	---	2.363	---	---	---	---	7
8	---	---	3.260	3.315	2.895	2.657	---	2.345	---	---	---	---	8
9	---	---	3.256	3.293	2.898	2.652	---	2.311	---	---	---	---	9
10	---	---	3.184	3.322	2.963	2.632	---	2.289	---	---	---	---	10
11	---	---	2.957	3.085	3.068	2.621	---	2.224A	---	---	---	---	11
12	---	---	2.843	2.980	2.985	2.608	---	---	---	---	---	---	12
13	---	---	2.798	2.953	2.843	2.695	---	2.080A	---	---	---	---	13
14	---	---	2.768	2.950	2.919	2.612	---	---	---	---	---	---	14
15	---	---	2.744	2.957A	2.993	2.604	2.485A	---	---	---	---	---	15
16	---	---	2.749	2.993A	3.074	2.594	2.397	---	---	---	---	---	16
17	---	---	2.738	3.208A	3.001	2.743	2.768	---	---	---	---	---	17
18	---	---	2.775	4.321A	2.928	2.683	4.532	---	---	---	---	---	18
19	---	---	2.777	4.736A	2.905	2.671	5.734	---	---	---	---	---	19
20	---	---	3.360	4.580A	2.891	2.893	6.010A	---	---	---	---	---	20
21	---	---	3.825	---	2.865	3.060	---	---	---	---	---	---	21
22	---	---	4.185	---	2.907	2.793	---	---	---	---	---	---	22
23	---	---	4.302	---	3.195	2.693	---	---	---	---	---	---	23
24	---	---	4.105	---	3.127	2.674	---	---	---	---	---	---	24
25	---	---	3.662	---	3.040	2.664	---	---	---	---	---	---	25
26	---	---	3.549	---	2.980	2.640	---	---	---	---	---	---	26
27	---	---	3.976	---	2.932	2.612	---	---	---	---	---	---	27
28	---	---	4.276	---	2.893	2.591	---	---	---	---	---	---	28
29	---		4.264	---	2.848	2.552	2.805A	---	---	---	---	---	29
30	---		4.245	---	2.825	2.527	2.728	---	---	---	---	---	30
31	---		3.940		2.808		2.65.	---		---		---	31
MEAN	---	---	---	---	---	2.679	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	3.060	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	2.527	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 6.010A ON JUL 20

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 57 26 N
LONG 114 53 35 W

A - MANUAL GAUGE

REGULATED SINCE 1984

DRAINAGE AREA,
1 170 km²

PAINTEARTH CREEK NEAR MALKIRK - STATION NO. 05FC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.74 B	0.486B	0.008	0	0	0.175E	0	0.064	0.031	---	1
2	---	---	2.33 B	0.287B	0.009	0	0	0.150E	0	0.102	0.028	---	2
3	---	---	1.71 B	0.142B	0.008	0	0	0.130E	0	0.073	0.017	---	3
4	---	---	1.46 B	0.098	0.006	0	0	0.100E	0	0.028	0.010	---	4
5	---	---	1.35 B	0.094	0.005	0	0	0.080E	0	0.025	0.007	---	5
6	---	---	0.700B	0.073	0.005	0	0	0.050E	0	0.030	0.005A	---	6
7	---	---	0.580B	0.058	0.005	0	0	0.035E	0	0.050	---	---	7
8	---	---	0.460B	0.057	0.005	0	0	0.030E	0 A	0.052	---	---	8
9	---	---	0.420B	0.033	0.005	0	0.019	0.026E	0	0.043	---	---	9
10	---	---	0.380B	0.014	0.004	0	0.434	0.022E	0	0.025	---	---	10
11	---	---	0.350B	0.008	0.005	0	0.332	0.018E	0	0.018	---	---	11
12	---	---	0.325B	0.007	0.005	0	0.289	0.015A	0	0.010	---	---	12
13	---	---	0.323B	0.006	0.003	0	0.245	0.010	0	0.004	---	---	13
14	---	---	0.315B	0.006	0.002	0	0.232A	0.008	0	0.004	---	---	14
15	---	---	0.306B	0.006	0.001	0	0.190E	0.002	0	0.008	---	---	15
16	---	---	0.281B	0.005	0.001	0	0.300E	0	0	0.012	---	---	16
17	---	---	0.235B	0.007	0.001	0	0.250E	0	0	0.013	---	---	17
18	---	---	0.195B	0.005	0.001	0	0.200E	0	0	0.013	---	---	18
19	---	---	0.170B	0.005	0.002	0	0.450E	0	0	0.013	---	---	19
20	---	---	0.158B	0.003	0.002	0	0.700E	0	0	0.018	---	---	20
21	---	---	0.151B	0.002	0.002	0	0.750E	0	0	0.018	---	---	21
22	---	---	0.138B	0.001	0.003	0	0.800E	0	0	0.018	---	---	22
23	---	---	0.142B	0.002	0.003	0	0.605E	0	0	0.020	---	---	23
24	---	---	0.138B	0.003	0.002	0	0.410E	0	0	0.017	---	---	24
25	---	---	0.148B	0.006	0.002	0	0.210E	0	0	0.018	---	---	25
26	---	---	0.147B	0.006	0.001	0	0.160E	0	0.040	0.020	---	---	26
27	---	0.460B	0.157B	0.006	0	0	0.100E	0	0.057	0.030	---	---	27
28	---	1.06 B	0.169B	0.009	0	0	0.125E	0	0.013	0.037	---	---	28
29	---		0.921B	0.010	0	0	0.150E	0	0.012	0.039	---	---	29
30	---		0.820B	0.008	0	0	0.175E	0	0.041	0.040	---	---	30
31	---		0.758B		0		0.200E	0		0.037			31
TOTAL	---	---	17.480	1.480	0.098	0	7.237	0.850	0.183	0.899	---	---	TOTAL
MEAN	---	---	0.564	0.049	0.003	0	0.233	0.027	0.005	0.029	---	---	MEAN
MAX	---	---	2.33	0.486	0.008	0	0.800	0.175	0.057	0.102	---	---	MAX
MIN	---	---	0.138	0.001	0	0	0	0	0	0.004	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.115
MAXIMUM DAILY, 2.33B ON MAR 2
MINIMUM DAILY, 0 ON MAY 27

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 23 00 N
LONG 112 08 00 W
DRAINAGE AREA, 190 km²
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	625
FEB	---	AUG	73.4
MAR	1 510	SEP	14.1
APR	128	OCT	77.7
MAY	8.29	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE 2 430 dam³

PARFLESH CREEK NEAR CHANCELLOR - STATION NO. 05BM007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	0A	0	0	0	0	0	0	0	0	---	---	17
18	---	0	0	0	0	0	0	0	0	0	---	---	18
19	---	0	0	0	0	0	0	0	0	0	---	---	19
20	---	0	0	0	0	0	0	0	0	0	---	---	20
21	---	0	0	0	0	0	0	0	0	0	---	---	21
22	---	0	0	0	0	0	0	0	0	0	---	---	22
23	---	0	0	0	0	0	0	0	0	0	---	---	23
24	---	0	0	0	0	0	0	0	0	0	---	---	24
25	---	0	0	0	0	0	0	0	0	0	---	---	25
26	---	0	0	0	0	0	0	0	0	0	---	---	26
27	---	0	0	0	0	0	0	0	0	0	---	---	27
28	---	0	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0A	---	---	30
31	---		0		0		0	0		0E		---	31
TOTAL	---	---	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0 ON MAR 1
MINIMUM DAILY, 0 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 59 40 N
LONG 112 50 27 W
DRAINAGE AREA, 129 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE 0 dam³

PARLBY CREEK AT ALIX - STATION NO 05CD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.3878	1.05	0.327	0.434	0.082	0.416	0.039	0.283	0.108	---	1
2	---	---	0.6368	0.921	0.326	0.365	0.058	0.386	0.035	0.313	0.104	---	2
3	---	---	1.49 B	0.809	0.311	0.356	0.051	0.320	0.032	0.329	0.102	---	3
4	---	---	3.63 B	0.695	0.301	0.342	0.090	0.296	0.031	0.337	0.101A	---	4
5	---	---	6.83 B	0.629	0.301	0.293	0.094	0.279	0.026	0.339	---	---	5
6	---	---	4.72 B	0.584	0.288	0.263	0.099	0.275	0.024	0.385	---	---	6
7	---	---	2.96 B	0.518	0.279	0.225	0.102	0.272	0.021	0.413	---	---	7
8	---	---	3.07 B	0.480	0.277	0.224	0.090	0.290	0.022	0.400	---	---	8
9	---	---	3.43 B	0.459	0.319	0.203	0.087	0.295	0.019	0.380	---	---	9
10	---	---	2.61 B	0.428	0.272	0.168	0.083	0.283	0.018	0.333	---	---	10
11	---	---	2.10 B	0.404	0.251	0.156	0.117	0.280	0.023	0.310	---	---	11
12	---	---	1.58 B	0.385	0.255	0.145	0.108	0.249	0.022	0.286	---	---	12
13	---	---	1.16 B	0.341	0.251	0.121	0.097	0.234	0.032	0.272	---	---	13
14	---	---	1.01 B	0.318	0.398	0.099	0.093	0.217	0.042	0.256	---	---	14
15	---	---	0.9598	0.303	0.829	0.119	0.098	0.187	0.047	0.250	---	---	15
16	---	---	1.03 B	0.294	0.488	0.147	0.102	0.168	0.050	0.333	---	---	16
17	---	---	1.02 B	0.294	1.07	0.163	0.226	0.151	0.050	0.269	---	---	17
18	---	---	1.18 B	0.307	1.29	0.177	0.378	0.134	0.056	0.218	---	---	18
19	---	---	1.21 B	0.310	2.26	0.180	0.562	0.125	0.078	0.192	---	---	19
20	---	---	1.42 B	0.325	3.18	0.189	0.726	0.107	0.087	0.219	---	---	20
21	---	---	1.56 B	0.324	3.47	0.153	1.31	0.097	0.078	0.272	---	---	21
22	---	---	1.89 B	0.324	3.28	0.147	1.80	0.090	0.078	0.213	---	---	22
23	---	---	2.28 B	0.328	2.87	0.134	1.90	0.084	0.076	0.167	---	---	23
24	---	---	2.30 B	0.333	2.08	0.121	1.63	0.078	0.073	0.143	---	---	24
25	---	---	2.24 B	0.333	1.85	0.104	1.18	0.072	0.084	0.133	---	---	25
26	---	---	2.15	0.317	1.36	0.097	0.851	0.068	0.133	0.127	---	---	26
27	---	0.0318	1.87	0.312	1.12	0.091	0.746	0.061	0.201	0.118	---	---	27
28	---	0.2008	1.70	0.315	0.934	0.078	0.633	0.056	0.228	0.112	---	---	28
29	---		1.54	0.310	0.807	0.087	0.563	0.048	0.228	0.108	---	---	29
30	---		1.40	0.327	0.653	0.073	0.527	0.051	0.251	0.112	---	---	30
31	---		1.24		0.541		0.472	0.047		0.112		---	31
TOTAL	---	---	62.802	13.033	32.038	5.408	14.904	5.673	2.184	7.700	---	---	TOTAL
MEAN	---	---	2.02	0.434	1.03	0.180	0.481	0.183	0.073	0.248	---	---	MEAN
MAX	---	---	6.83	1.05	3.47	0.434	1.90	0.416	0.251	0.413	---	---	MAX
MIN	---	---	0.387	0.294	0.251	0.087	0.058	0.047	0.019	0.108	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.586
MAXIMUM DAILY, 6.830 ON MAR 5
MINIMUM DAILY, 0.019 ON SEP 10

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 24 27 N
LONG 113 11 43 W
DRAINAGE AREA, 516 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 280
FEB	---	AUG	490
MAR	5 610	SEP	189
APR	1 130	OCT	665
MAY	2 770	NOV	---
JUN	467	DEC	---

TOTAL DISCHARGE, 12 400 dam³

PARLBY CREEK NEAR MIRROR - STATION NO. 05CD902

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.8	3.33	0.559	1.71	0.084	0.573	---	---	---	---	1
2	---	---	0.0558	3.36	0.493	1.80	0.082	0.593	---	---	---	---	2
3	---	---	0.1138	3.31	0.526	1.49	0.091	0.571	---	---	---	---	3
4	---	---	0.1008	3.20	0.420	1.39	0.162	0.576	---	---	---	---	4
5	---	---	0.0898	3.10	0.508	1.29	0.086	0.589	---	---	---	---	5
6	---	---	0.0578	2.96	0.475	1.20	0.084	0.601	---	---	---	---	6
7	---	---	0.0458	2.81	0.335	1.08	0.084	0.578	---	---	---	---	7
8	---	---	0.0348	2.70	0.201	0.927	0.110	0.594	---	---	---	---	8
9	---	---	0.0228	2.62	0.149	0.787	0.072	0.613	0.015	---	---	---	9
10	---	---	0.0108	2.52	0.223	0.644	0.071	0.641	---	---	---	---	10
11	---	---	0.1139	2.36	0.245	0.467	0.072	0.443	---	---	---	---	11
12	---	---	0.2169	2.18	0.260	0.385	0.084	0.293	---	---	---	---	12
13	---	---	0.3199	1.97	0.297	0.313	0.080	0.293	---	---	---	---	13
14	---	---	0.4239	1.72	0.538	0.324	0.062	0.287	---	---	---	---	14
15	---	---	0.5269	1.60	0.983	0.447	0.085	0.267	---	---	---	---	15
16	---	---	0.6298	1.43	1.63	0.392	0.082	0.262	---	---	---	---	16
17	---	---	0.7328	1.27	1.87	0.218	0.213	0.254	---	---	---	---	17
18	---	---	0.8358	1.05	1.81	0.283	0.306	0.249	---	---	---	---	18
19	---	---	2.11 B	0.826	1.98	0.306	0.325	0.223	---	---	---	---	19
20	---	---	3.39 B	0.609	1.96	0.297	0.328	0.177	---	---	---	---	20
21	---	---	4.86	0.525	1.98	0.260	0.319	0.337	---	---	---	---	21
22	---	---	4.00	0.528	2.03	0.218	0.310	0.320	---	---	---	---	22
23	---	---	3.67	0.562	2.07	0.204	0.315	0.316	---	---	---	---	23
24	---	---	3.46	0.570	2.09	0.201	0.382	0.319	---	---	---	---	24
25	---	---	3.47	0.552	2.08	0.186	0.484	0.309	---	---	---	---	25
26	---	---	2.83	0.520	2.08	0.181	0.482	---	---	---	---	---	26
27	---	---	3.80	0.480	2.06	0.156	0.489	---	---	---	---	---	27
28	---	---	3.76	0.480	2.01	0.138	0.511	---	---	---	---	---	28
29	---	---	3.83	0.528	1.96	0.119	0.552	---	---	---	---	---	29
30	---	---	3.80	0.575	1.85	0.105	0.560	---	---	---	---	---	30
31	---	---	3.71		1.80		0.588	---	---	---	---	---	31
TOTAL	---	---	51.588	50.243	37.620	17.388	7.462	---	---	---	---	---	TOTAL
MEAN	---	---	1.66	1.67	1.21	0.580	0.240	---	---	---	---	---	MEAN
MAX	---	---	4.86	3.36	2.09	1.71	0.588	---	---	---	---	---	MAX
MIN	---	---	0	0.480	0.149	0.105	0.060	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 4.86 ON MAR 21
MINIMUM DAILY, .08 ON MAR 1
MAXIMUM INSTANTANEOUS,
5.81 AT 00:01 MST ON MAR 2

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 28 50 N
LONG 113 08 40 W
DRAINAGE AREA, 843 km²

B - ICE CONDITIONS

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	643
FEB	---	AUG	---
MAR	4 480	SEP	---
APR	4 340	OCT	---
MAY	3 250	NOV	---
JUN	1 500	DEC	---

PEACE RIVER AT DUNVEGAN BRIDGE - STATION NO. 07FD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	1 670	2 470	735	804	62	1 440	---	---	2
3	---	---	---	---	1 700	2 250	765	894	611	1 190	---	---	3
4	---	---	---	---	1 650	2 130	739	835	548	1 260	---	---	4
5	---	---	---	---	1 770	2 010	748	761	580	1 310	---	---	5
6	---	---	---	---	1 640	1 790	731	720	506	1 080	---	---	6
7	---	---	---	---	1 920	1 610	723	884	578	1 180	---	---	7
8	---	---	---	---	1 900	1 520	705	821	578	1 260	---	---	8
9	---	---	---	---	1 720	1 590	741	888	506	1 470	---	---	9
10	---	---	---	---	1 630	1 620	822	580	453	1 430	---	---	10
11	---	---	---	---	1 530	1 570	816	813	489	1 380	---	---	11
12	---	---	---	---	1 470	1 480	804	817A	453	1 350	---	---	12
13	---	---	---	---	1 440	1 380	787	813	452	1 300	---	---	13
14	---	---	---	---	1 580	1 310	783	804	458	1 280	---	---	14
15	---	---	---	---	1 950	1 210	782	807	480	1 080	---	---	15
16	---	---	---	---	2 170	1 120	730	585	440	1 120	---	---	16
17	---	---	---	---	2 010	1 110	1 080	523	425	1 240	---	---	17
18	---	---	---	---	2 050	1 300	2 330	555	435	1 110	---	---	18
19	---	---	---	---	2 220	1 370	2 220	520	452	1 010	---	---	19
20	---	---	---	---	2 120	1 230	1 760	534	445	980	---	---	20
21	---	---	---	---	2 050	1 170	1 470	545	1 140	985	---	---	21
22	---	---	---	---	2 230	1 180	1 280	527	1 210	1 030	---	---	22
23	---	---	---	1 470A	2 540	1 060	1 120	576	995	1 180	---	---	23
24	---	---	---	1 800	2 330	998	1 030	588	1 090	1 150	---	---	24
25	---	---	---	1 790	2 000	811	886	591	1 150	1 210	---	---	25
26	---	---	---	1 880	1 730	988	847	508	1 180	1 230	---	---	26
27	---	---	---	1 730	1 640	890	920	488	1 080	1 220	---	---	27
28	---	---	---	1 630	1 990	825	824	520	1 130	1 110	---	---	28
29	---	---	---	1 230	2 430	883	771	535	1 130	1 100	---	---	29
30	---	---	---	1 250	2 720	780	718	583	1 370	1 070	---	---	30
31	---	---	---	1 580	2 600	732	778	540	1 430	1 090	---	---	31
					2 550		851	506		1 140A			
TOTAL	---	---	---	---	61 280	40 598	30 484	19 370	32 352	36 695	---	---	TOTAL
MEAN	---	---	---	---	1 980	1 350	983	625	745	1 180	---	---	MEAN
MAX	---	---	---	---	2 720	2 470	2 320	840	1 430	1 470	---	---	MAX
MIN	---	---	---	---	1 440	732	705	489	425	985	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 150
MAXIMUM DAILY, 2 720 ON MAY 29
MINIMUM DAILY, 425 ON SEP 16
MAXIMUM INSTANTANEOUS,
2 810 AT 00:00 MST ON MAY 31

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 55 08 N
LONG 118 36 19 W
DRAINAGE AREA, 130 000 km²
A - MANUAL GAUGE

REGULATED SINCE 1967

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 830 000
FEB	---	AUG	1 870 000
MAR	---	SEP	1 930 000
APR	---	OCT	3 170 000
MAY	5 290 000	NOV	---
JUN	3 500 000	DEC	---

TOTAL DISCHARGE, 19 290 000 dam³

PEACE RIVER AT FORT VERMILION - STATION NO 07HF001

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	5.700E	5.344	4.833	3.549	---	3.085	---	---	1
2	---	---	---	---	5.800E	5.352	3.732A	3.481A	---	3.314	---	---	2
3	---	---	---	---	5.740E	5.317	---	---	---	3.520	---	---	3
4	---	---	---	5.283A	5.580E	5.207	---	---	---	3.634	---	---	4
5	---	---	---	5.250	5.300E	5.062	---	---	---	3.656	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	5.127	4.880E	5.050	---	---	---	3.634	---	---	6
8	---	---	---	5.084	4.590A	5.575	---	---	---	3.633	---	---	7
9	---	---	---	5.071	4.680	5.247	---	---	---	3.565	---	---	8
10	---	---	---	5.104	4.792A	4.954	---	---	---	3.508	---	---	9
				5.302	---	4.844	---	---	---	3.629	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	5.263	---	4.879	---	---	---	3.842	---	---	11
13	---	---	---	5.245E	---	4.875	---	---	---	3.909	---	---	12
14	---	---	---	5.215E	---	4.805	---	---	---	3.871	---	---	13
15	---	---	---	5.720E	---	4.687	---	---	---	3.814	---	---	14
				5.887A	---	4.896	---	---	---	3.735	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	5.931	---	4.490	---	---	---	3.585	---	---	16
18	---	---	---	5.903	---	4.480E	---	---	---	3.409	---	---	17
19	---	---	---	5.761	---	4.455E	---	---	---	3.335	---	---	18
20	---	---	4.155A	5.616	---	4.355E	4.018A	---	---	3.389	---	---	19
			---	5.655	---	4.275E	4.939	---	---	3.342	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	5.673	---	4.410E	5.541	---	---	3.244	---	---	21
23	---	---	---	6.194	---	4.684A	5.872	---	---	3.146	---	---	22
24	---	---	---	6.531	---	4.708A	5.445	---	---	3.063	---	---	23
25	---	---	---	6.751	---	4.672A	5.082	---	2.940A	3.035	---	---	24
			---	6.832	---	4.535	4.720	---	3.004	3.115	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	6.900A	5.351A	4.286	4.417	2.413A	2.983	3.188	---	---	26
28	---	---	---	7.050E	5.216A	4.128	4.220	---	3.031	3.234	---	---	27
29	---	---	---	7.265A	4.983	4.161	4.128	---	3.084	3.269	---	---	28
30	---	---	---	7.119A	4.879	4.168	4.048	---	3.081	3.291A	---	---	29
31	---	---	---	6.897A	5.238	4.031	3.884	---	3.029	3.310E	---	---	30
					5.070		3.712	---		3.305E		---	31
MEAN	---	---	---	---	---	4.914	---	---	---	3.428	---	---	MEAN
MAX	---	---	---	---	---	5.353	---	---	---	3.909	---	---	MAX
MIN	---	---	---	---	---	4.031	---	---	---	3.035	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 7.265A ON APR 28

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 23 15 N
LONG 115 02 05 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1968

DRAINAGE AREA
223 000 km²

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 243.508 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

PEACE RIVER AT PEACE POINT - STATION NO 07KC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2 090B	2 100B	1 880B	1 400B	3 110B	3 550	2 860	2 400E	850E	1 510E	1 750B	1 850B	1
2	2 110B	2 080B	1 870B	1 430B	3 090B	4 230	3 020	2 200E	850E	1 540E	1 670B	1 820B	2
3	2 100B	1 920B	1 860B	1 470B	3 070B	4 760	3 270	2 000E	860E	1 700E	1 580B	1 810B	3
4	2 070B	1 830B	1 850B	1 500B	3 050B	4 930	3 390A	1 870E	898A	2 100E	1 500B	1 830B	4
5	2 080B	1 740B	1 850B	1 550B	3 040B	4 910	3 300E	1 790E	1 400E	2 210E	1 400B	1 870B	5
6	2 080B	1 670B	1 840B	1 580B	3 020B	4 750	3 000E	1 780E	1 600E	2 280E	1 300B	1 910B	6
7	2 060B	1 620B	1 890B	1 600B	2 990B	4 560	2 820E	1 760E	1 550E	2 290E	1 180B	1 940B	7
8	2 110B	1 610B	1 860B	1 580B	2 970B	4 290	2 750E	1 710E	1 470E	2 250E	1 160B	1 950B	8
9	2 100B	1 610B	1 850B	1 540B	2 950B	3 980	2 700E	1 650E	1 370E	2 100E	1 200B	1 950B	9
10	2 080B	1 800B	1 870B	1 530B	2 880B	3 600	2 680E	1 590E	1 320E	2 010E	1 390B	1 920B	10
11	2 040B	1 590B	1 880B	1 580B	3 010B	3 220	2 700E	1 520E	1 300E	2 000E	1 500B	1 890B	11
12	2 010B	1 550B	1 890B	1 620B	3 040B	2 990	2 730E	1 470E	1 300E	2 100E	1 550B	1 850B	12
13	2 000B	1 510B	1 890B	1 690B	3 100B	2 880	2 780E	1 390E	1 400E	2 300E	1 580B	1 820B	13
14	2 020B	1 490B	1 880B	1 830L	3 180	2 850	2 800E	1 410E	1 380E	2 500E	1 570B	1 810B	14
15	2 030B	1 500B	1 870B	1 970B	3 050	2 800	2 780E	1 450E	1 360E	2 640E	1 560B	1 800B	15
16	2 050B	1 510B	1 880B	2 040B	2 980	2 710	2 780E	1 440E	1 310E	2 560E	1 590B	1 800B	16
17	2 100B	1 540B	1 550B	2 180B	2 890	2 800	2 720E	1 350E	1 270E	2 470E	1 600B	1 780B	17
18	2 110B	1 580B	1 530B	2 340B	2 830	2 490	2 680E	1 300E	1 250E	2 310E	1 610B	1 780B	18
19	2 110B	1 580B	1 500B	2 480B	2 870A	2 380	2 630E	1 250E	1 230E	2 200E	1 630B	1 780B	19
20	2 140B	1 610B	1 470B	2 570B	2 880E	2 250	2 600E	1 200E	1 210E	2 100E	1 550B	1 800B	20
21	2 180B	1 670B	1 450B	2 580B	3 080A	2 240	2 570E	1 180E	1 200E	2 200E	1 670B	1 810B	21
22	2 190B	1 730B	1 430B	2 540B	3 080	2 400	3 500E	1 120E	1 200E	2 100E	1 700B	1 820B	22
23	2 230B	1 780B	1 430B	2 510B	3 110	2 720	4 400E	1 080E	1 210E	1 900E	1 760B	1 830B	23
24	2 270B	1 800B	1 430B	2 500B	3 110	3 080	4 460E	1 060E	1 250E	1 720B	1 850B	1 840B	24
25	2 290B	1 790B	1 400B	2 550B	3 140	3 410	4 400E	1 030E	1 400E	1 700B	1 900B	1 850B	25
26	2 300B	1 750B	1 390B	2 600B	3 340	3 520	4 200E	1 000E	1 900E	1 720B	1 940B	1 850B	26
27	2 300B	1 700B	1 380B	2 700B	3 690	3 440	3 700E	970E	1 880E	1 760B	1 950B	1 840B	27
28	2 270B	1 690B	1 370B	2 850B	3 810	3 250	3 300E	940E	1 700E	1 800B	1 950B	1 820B	28
29	2 230B		1 360B	3 000B	3 710	2 980	2 900E	920E	1 600E	1 810B	1 910B	1 790B	29
30	2 200B		1 350B	3 050B	3 480	2 800	2 750E	900E	1 550E	1 830B	1 880B	1 780B	30
31	2 180B		1 350B		3 310		2 700E	880E		1 800B		1 720B	31
TOTAL	65 080	47 080	47 080	62 270	96 910	100 530	95 840	43 800	40 075	63 610	48 480	56 920	TOTAL
MEAN	2 130	1 680	1 520	2 080	3 130	3 350	3 090	1 410	1 340	2 050	1 620	1 840	MEAN
MAX	2 300	2 100	1 880	3 050	3 810	4 930	4 460	2 400	1 900	2 840	1 950	1 950	MAX
MIN	2 000	1 490	1 350	1 400	2 830	2 240	2 600	880	850	1 510	1 160	1 720	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2 110
MAXIMUM DAILY, 4 930 ON JUN 4
MINIMUM DAILY, 850E ON SEP 2
MAXIMUM INSTANTANEOUS,
4 940 AT 19:41 MST ON JUN 4

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 06 50 N
LONG 112 25 38 W
DRAINAGE AREA, 293 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1968

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	6 710 000	JUL	6 290 000
FEB	4 070 000	AUG	3 770 000
MAR	4 070 000	SEP	3 480 000
APR	5 380 000	OCT	5 500 000
MAY	8 370 000	NOV	4 190 000
JUN	8 680 000	DEC	4 920 000

TOTAL DISCHARGE, 65 400 000 dam³

PEACE RIVER AT PEACE RIVER - STATION NO. 07HA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1 980B	1 620B	1 060B	1 550B	2 330	4 520	1 350	1 420	838	1 740	1 250	1 710	1
2	1 900B	1 340B	1 100B	1 510B	2 390	4 170	1 410	1 410	770	1 790	1 170	1 730	2
3	1 890B	1 230B	1 110B	1 460B	2 230	4 000	1 410	1 350	737	1 620	1 080	1 580	3
4	1 870B	1 040B	1 070B	1 670B	2 230	3 610	1 420	1 240	712	1 720	1 030	1 560	4
5	1 870B	1 030B	1 040B	1 650B	2 320	3 210	1 420	1 150	725	1 620	1 240	1 510	5
6	1 890B	1 080B	1 080B	1 930B	2 540	2 780	1 300	1 130	728	1 460	1 390	1 510B	6
7	1 880B	1 470B	1 140B	2 030B	2 780	2 690	1 380	1 060	795	1 680	1 440	1 530B	7
8	2 080B	1 640B	1 080B	1 760B	2 670	2 880	1 500	990	763	1 990	1 340	1 550B	8
9	2 080B	1 720B	1 110B	1 930B	2 500	2 900	1 620	910	688	2 030	1 340	1 590B	9
10	2 010B	1 740B	1 320B	2 260B	2 350	2 820	1 660	905	638	1 900	1 380	1 480	10
11	2 020B	1 620B	1 010B	2 380B	2 310	2 870	1 610	928	654	1 850	1 400B	1 480	11
12	2 010B	1 740B	9128	2 380B	2 190	2 530	1 550	822	618A	1 790	1 440B	1 630	12
13	1 950B	1 870B	1 110B	2 260B	2 190	2 530	1 480	814	616	1 510	1 440B	1 440	13
14	2 120B	1 700B	1 130B	2 230B	2 480	2 280	1 520	803	621	1 370	1 470B	1 460	14
15	2 200B	1 670B	9678	2 310B	2 730	2 060	1 430	807	618	1 320	1 460B	1 510	15
16	2 220B	1 700B	1 050B	2 340B	2 750	1 990	1 420	829	591	1 500	1 290	1 530	16
17	2 210B	1 840B	1 220B	2 550B	2 650	2 540	2 480	809	585	1 390	1 450	1 530	17
18	2 210B	1 530B	1 020B	2 570B	2 770	2 820	3 710	795	592	1 240	1 400	1 820	18
19	2 700B	1 450B	8438	2 410B	2 780	2 450	3 890	758	604	1 180	1 550	1 680	19
20	2 200B	1 500B	1 190B	2 530	2 690	2 290	3 540	740	738	1 110	1 580	1 500	20
21	2 080B	1 540B	1 [illegible]	2 540	2 780	2 210	3 000	747	1 370	1 110	1 720B	1 480	21
22	2 150B	1 620B	1 190B	2 060	3 310	2 050	2 580	708	1 210	1 310	1 750B	1 510B	22
23	2 120B	1 550B	1 260B	2 360	3 340	1 810	2 260	773	1 060	1 310	1 740B	1 550B	23
24	2 080B	1 480B	1 200B	2 480	3 080	1 720	2 080	742	1 230	1 300	1 630	1 590B	24
25	1 560B	1 540B	9978	2 300	2 810	1 910	2 020	724	1 260	1 360	1 840	1 330	25
26	1 600B	1 230B	9598	2 250	2 620	2 020	2 060	658	1 170	1 400	1 620	1 310	26
27	1 210B	1 000B	1 500B	2 160	2 780	1 850	1 820	660	1 130	1 340	1 630	1 110	27
28	1 150B	9788	1 750B	1 850	3 820	1 620	1 610	718	1 250	1 250	1 610	1 060	28
29	1 170B		1 820B	1 570	4 570	1 470	1 450	777	1 460	1 180	1 630	1 040	29
30	1 190B		1 630B	1 940	4 590	1 380	1 360	824	1 700	1 220	1 660	1 130	30
31	1 520B		1 660B		4 560		1 420	1 060		1 230		1 350	31
TOTAL	58 520	41 288	37 218	63 200	88 130	75 570	58 450	28 164	26 570	45 820	43 730	45 700	TOTAL
MEAN	1 890	1 470	1 200	2 110	2 840	2 520	1 890	908	886	1 480	1 460	1 470	MEAN
MAX	2 220	1 870	1 920	2 570	4 590	4 520	3 710	1 420	1 700	2 030	1 750	1 820	MAX
MIN	1 150	978	843	1 460	2 190	1 380	1 300	658	585	1 110	1 030	1 040	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 680
MAXIMUM DAILY, 4 590 ON MAY 30
MINIMUM DAILY, 585 ON SEP 17
MAXIMUM INSTANTANEOUS,
4 720 AT 14 30 MST ON MAY 29

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 14 41 N
LONG 117 18 46 W
DRAINAGE AREA, 186 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1967

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	5 050 000	JUL	5 050 000
FEB	3 570 000	AUG	2 430 000
MAR	3 220 000	SEP	2 300 000
APR	5 460 000	OCT	3 950 000
MAY	7 610 000	NOV	3 780 000
JUN	6 530 000	DEC	3 950 000

TOTAL DISCHARGE, 52 900 000 dam³

PEACE RIVER BELOW CHENAL DES QUATRE FOURCHES - STATION NO. 07KC005

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	208.354	---	---	---	---	---	---	208.292	206.954	207.142	---	208.203	1
2	208.374	---	---	---	---	---	---	208.214	206.920	207.130	---	208.250	2
3	208.422	---	207.155	---	---	209.269	---	208.116	206.900	207.100	---	208.327	3
4	208.421	---	---	---	---	---	---	208.008	206.944	207.103	---	208.396	4
5	208.368	---	---	---	---	---	---	207.906	206.964	207.146	---	208.453	5
6	208.449	---	---	---	---	---	---	207.834	206.987	207.307	---	208.495	6
7	208.515	---	---	207.550	---	---	---	207.801	207.093	207.410	---	208.454	7
8	208.470	---	---	---	---	---	---	207.815	207.158	207.466	---	208.453	8
9	208.357	---	---	---	---	---	---	207.802	207.118	207.486	---	208.477	9
10	208.397	---	---	---	---	209.269	---	207.750	207.130	207.490	---	208.493	10
11	208.284	---	---	---	---	---	---	207.687	207.089	207.491	---	208.509	11
12	208.230	---	---	---	---	---	---	207.601	206.955	207.487	---	208.474	12
13	208.245	---	---	---	208.819	---	---	207.516	206.873	207.500	---	208.401	13
14	208.318	---	---	---	208.691	---	---	207.404	206.856	207.537	207.687	208.319	14
15	208.296	---	---	---	208.624	---	---	207.751	206.846	207.632	207.787	208.242	15
16	208.222	---	---	---	208.549	---	---	207.362	206.818	---	207.851	208.190	16
17	208.241	---	---	---	208.477	---	---	207.330	206.781	---	207.855	208.174	17
18	208.250	---	---	---	208.436	---	207.884	207.284	206.709	---	207.860	208.185	18
19	208.275	---	---	---	208.420	---	---	207.227	206.667	---	207.851	208.205	19
20	208.231	---	---	---	208.501	---	---	207.187	206.663	---	207.844	208.225	20
21	208.256	---	---	---	208.559	---	---	207.149	206.635	---	207.830	208.216	21
22	208.313	---	---	---	208.635	---	208.089	207.086	206.617	---	207.831	208.156	22
23	208.355	---	---	---	208.649	---	208.564	207.078	206.628	---	207.874	208.100	23
24	208.368	---	---	---	208.664	---	208.941	207.087	206.749	---	207.917	208.023	24
25	208.320	---	---	---	208.692	---	209.115	207.085	206.741	---	207.945	207.988	25
26	208.483	---	---	---	208.729	---	209.086	207.080	206.794	---	208.008	207.938	26
27	208.416	---	---	---	---	---	208.994	207.071	206.844	---	208.051	207.887	27
28	---	---	---	---	---	---	208.832	207.048	206.843	---	208.080	207.888	28
29	---		---	---	---	---	208.658	207.032	207.039	---	208.119	208.005	29
30	---		---	---	---	---	208.500	206.926	207.095	---	208.159	207.982	30
31	---		---		---		208.376	206.920		---		207.948	31
MEAN	---	---	---	---	---	---	---	207.462	206.884	---	---	208.233	MEAN
MAX	---	---	---	---	---	---	---	208.292	207.159	---	---	208.509	MAX
MIN	---	---	---	---	---	---	---	206.920	206.617	---	---	207.938	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 54 00 N
LONG 111 35 00 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

PEAVINE CREEK NEAR FALHER - STATION NO. 07GH004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2.30 B	13.0 B	0.188	0.035	0.001	0.019	0.001	0.001	---	---	1
2	---	---	3.50 B	12.1 B	0.204	0.030	0.001	0.021	0.002	0.001	---	---	2
3	---	---	4.50 B	6.98 B	0.219	0.025	0.001	0.012	0.001	0.001	---	---	3
4	---	---	5.50 B	10.6	0.208	0.019	0.001	0.006	0.001	0.001	---	---	4
5	---	---	5.26 B	10.8	0.222	0.017	0.001	0.005	0	0.001	---	---	5
6	---	---	1.60 B	10.6	0.225	0.018	0.001	0.005	0	0.001	---	---	6
7	---	---	1.00 B	9.25	0.204	0.009	0.001	0.003	0	0.001	---	---	7
8	---	---	0.7008	6.33	0.173	0.007	0.001	0.003	0	0.001	---	---	8
9	---	---	1.20 B	3.83	0.158	0.005	0.001	0.003	0	0.001	---	---	9
10	---	---	0.9488	2.46	0.152	0.004	0.001	0.003	0	0.001	---	---	10
11	---	---	0.7008	1.33	0.145	0.004	0.001	0.003	0	0.001	---	---	11
12	---	---	0.5758	1.09	0.153	0.003	0.001	0.002	0.001	0.001	---	---	12
13	---	---	0.4508	0.782	0.133	0.003	0.002	0.002	0.001	0.001	---	---	13
14	---	---	0.3008	0.807	0.147	0.003	0.002	0.002	0.001	0.001	---	---	14
15	---	---	0.2808	0.591	0.172	0.003	0.005	0.001	0.001	0.002	---	---	15
16	---	---	0.2658	0.975	0.219	0.003	0.004	0.001	0.001	0.001	---	---	16
17	---	---	0.2558	1.59	0.211	0.003	0.003	0.001	0.001	0.002	---	---	17
18	---	---	0.2758	3.42	0.174	0.003	0.517	0.001	0.001	0.002	---	---	18
19	---	---	0.3408	2.85	0.155	0.002	0.629	0.001	0.001	0.002	---	---	19
20	---	---	0.4508	1.68	0.124	0.002	0.384	0.001	0.001	0.001	---	---	20
21	---	0 B	0.8008	1.07	0.131	0.002	0.218	0.001	0.001	0.001	---	---	21
22	---	0 B	2.00 B	0.704	0.180	0.001	0.142	0.001	0.001	0.002	---	---	22
23	---	0 B	2.50 B	0.538	0.338	0.002	0.098	0.001	0.001	0.002	---	---	23
24	---	0.0018	2.00 B	0.423	0.564	0.001	0.070	0.001	0.001	0.002	---	---	24
25	---	0.0108	4.13 B	0.326	0.418	0.001	0.049	0.001	0.001	0.002	---	---	25
26	---	0.1008	5.80 B	0.254	0.309	0.001	0.035	0.001	0.001	0.002	---	---	26
27	---	0.3708	10.0 B	0.218	0.260	0.001	0.025	0.001	0.001	0.002	---	---	27
28	---	1.20 B	15.1 B	0.198	0.180	0.001	0.018	0.001	0.001	0.001	---	---	28
29	---		17.0 B	0.212	0.168	0.001	0.027	0.001	0.001	0.001A	---	---	29
30	---		15.0 B	0.185	0.099	0.001	0.022	0.001	0.001	0.001E	---	---	30
31	---		13.5 B		0.049		0.057	0.001		0.001E	---	---	31
TOTAL	---	---	119.226	104.912	6.280	0.208	2.294	0.105	0.024	0.041	---	---	TOTAL
MEAN	---	---	3.85	3.50	0.203	0.007	0.074	0.003	0.001	0.001	---	---	MEAN
MAX	---	---	17.0	13.0	0.564	0.035	0.629	0.021	0.002	0.002	---	---	MAX
MIN	---	---	0.255	0.185	0.049	0.001	0.001	0.001	0	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.951
MAXIMUM DAILY, 17.08 ON MAR 29
MINIMUM DAILY, 0 ON SEP 5
MAXIMUM INSTANTANEOUS,
17.78 ON MAR 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 37 41 N
LONG 117 15 29 W
DRAINAGE AREA, 537 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	198
FEB	---	AUG	8.07
MAR	10 300	SEP	2.07
APR	9 060	OCT	3.54
MAY	543	NOV	---
JUN	18.0	DEC	---

TOTAL DISCHARGE 20 100 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS DERIVED FROM HIGH WATER MARK

PEERLESS LAKE NEAR PEERLESS LAKE - STATION NO. 07JB001

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	25.098	---	25.152	25.241A	25.408	25.504	25.409	25.260	---	---	1
2	---	---	25.101	---	25.155	25.248A	25.408	25.501	25.406A	25.255	---	---	2
3	---	---	25.089	---	25.159	25.250A	25.407	25.500	25.397A	25.253	---	---	3
4	---	---	25.100	---	25.162	25.252	25.407	25.502	25.391	25.250	---	---	4
5	---	---	25.099	---	25.165	25.256	25.408	25.498	25.387	25.247	---	---	5
6	---	---	25.089	---	25.167	25.256	25.412	25.495	25.384	25.249	---	---	6
7	---	---	25.101	---	25.168	25.262	25.413	25.493	25.381	25.247	---	---	7
8	---	---	25.105	---	25.169	25.262	25.412	25.483	25.376	25.243	---	---	8
9	---	---	25.106	---	25.170	25.265	25.415	25.488	25.373	25.240A	---	---	9
10	---	---	25.108	---	25.170	25.263	25.421	25.488	25.366	---	---	---	10
11	---	---	25.112	---	25.171	25.261	25.428	25.487	25.354	---	---	---	11
12	---	---	25.112	---	25.178	25.268A	25.428	25.479	25.346	---	---	---	12
13	---	---	25.111	---	25.181	25.262	25.439	25.479	25.342	---	---	---	13
14	---	---	25.112	---	25.178	25.261	25.458	25.484A	25.337	---	---	---	14
15	---	---	25.112	---	25.176	25.262	25.486	---	25.330	---	---	---	15
16	---	---	25.115	---	25.181	25.263	25.490	---	25.328	---	---	---	16
17	---	---	25.116	---	25.182	25.268	25.494	---	25.325	---	---	---	17
18	---	---	25.116	---	25.182	25.272	25.508	---	25.319	---	---	---	18
19	---	---	25.119	---	25.185	25.282	25.513	---	25.315	---	---	---	19
20	---	---	25.123	---	25.186	25.334	25.511	---	25.312	---	---	---	20
21	---	---	25.125	---	25.184	25.375	25.514	---	25.308	---	---	---	21
22	---	---	25.124	---	25.207	25.377	25.512	---	25.303	---	---	---	22
23	---	---	25.127	25.131A	25.222	25.384	25.508	---	25.292	---	---	---	23
24	---	---	25.127	25.120	25.228	25.389	25.506	---	25.286	---	---	---	24
25	---	25.097A	25.126A	25.133	25.233	25.388	25.506	---	25.283	---	---	---	25
26	---	25.097	---	25.135	25.236	25.387	25.505	25.426A	25.278	---	---	---	26
27	---	25.097	---	25.136	25.233	25.392	25.507	25.425	25.274	---	---	---	27
28	---	25.097	---	25.138	25.233	25.395	25.504	25.423	25.274	---	---	---	28
29	---		---	25.142	25.236	25.399	25.502	25.422	25.274	25.213A	---	---	29
30	---		---	25.149	25.235	25.400	25.502	25.418	25.268	---	---	---	30
31	---		---		25.233A		25.504	25.410		---	---	---	31
MEAN	---	---	---	---	25.191	25.308	25.488	---	25.334	---	---	---	MEAN
MAX	---	---	---	---	25.236	25.400	25.514	---	25.408	---	---	---	MAX
MIN	---	---	---	---	25.152	25.241	25.407	---	25.266	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MAXIMUM DAILY, 25.514 ON JUL 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 38 10 N
LONG 114 36 05 W

A - MANUAL GAUGE

NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

PELICAN CREEK NEAR PAKOWKI ROAD - STATION NO. 05AH041

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	5.08	0.097	0.001	0.041	0.003	0	0	0.824	0.014	---	1
2	---	0 B	4.37	0.075	0	0.029	0.001	0	0	0.840	0.014	---	2
3	---	0 B	3.01	0.061	0	0.019	0	0	0	0.491	0.017A	---	3
4	---	0 B	2.59	0.048	0.001	0.014	0	0	0	0.383	---	---	4
5	---	0 B	1.96	0.037	0.007	0.012	0	0	0	0.238	---	---	5
6	---	0 B	1.60	0.033	0.014	0.017	0	0	0	0.149	---	---	6
7	---	0 B	1.12	0.028	0.013	0.021	0	0	0	0.109	---	---	7
8	---	0 B	0.784	0.023	0.012	0.020	0	0	0	0.084	---	---	8
9	---	0 B	0.661	0.017	0.057	0.068	0	0	0	0.070	---	---	9
10	---	0 B	0.539	0.013	0.053	0.049	0	0	0	0.083	---	---	10
11	---	0 B	0.584	0.009	0.078	0.029	0	0	0	0.050	---	---	11
12	---	0 B	0.424	0.011	0.061	0.024	0	0	0	0.041	---	---	12
13	---	0 B	0.342	0.013	0.048	0.017	0	0	0	0.034	---	---	13
14	---	0 B	0.289	0.057	0.050	0.012	0	0	0	0.032	---	---	14
15	---	0 B	0.289	0.078	0.082	0.010	0	0	0	0.030	---	---	15
16	---	0 B	0.205	0.056	0.104	0.005	0	0	0	0.027	---	---	16
17	---	0 B	0.184	0.038	0.112	0.003	0	0	0	0.025	---	---	17
18	---	0 B	0.131	0.028	0.428	0	0	0	0	0.023	---	---	18
19	---	0 B	0.105	0.020	1.70	0	0	0	0	0.021	---	---	19
20	---	0 B	0.079	0.018	2.23	0.103	0	0	0	0.020	---	---	20
21	---	0 B	0.069	0.012	2.31	0.456	0	0	0	0.017	---	---	21
22	---	0 B	0.097	0.009	1.76	0.248	0	0	0	0.015	---	---	22
23	---	0 B	0.512	0.012	2.09	0.115	0	0	0	0.013	---	---	23
24	---	0 B	0.360	0.015	1.84	0.051	0	0	0	0.012	---	---	24
25	---	1 708	0.184	0.012	1.10	0.031	0	0	0.027	0.011	---	---	25
26	---	8 948	0.125	0.010	0.686	0.018	0	0	5.00	0.011	---	---	26
27	---	10 6 B	0.110	0.006	0.413	0.009	0	0	5.52	0.010	---	---	27
28	---	8 908	0.080	0.004	0.270	0.004	0	0	2.85	0.010	---	---	28
29	08		0.078	0.002	0.173	0.006	0	0	1.45	0.009	---	---	29
30	08		0.103	0.002	0.110	0.007	0	0	1.02	0.009	---	---	30
31	08		0.086		0.087		0	0		0.014		---	31
TOTAL	---	28.14	26.250	0.848	15.849	1.446	0.004	0	17.887	3.653	---	---	TOTAL
MEAN	---	1.01	0.847	0.028	0.511	0.048	0	0	0.596	0.112	---	---	MEAN
MAX	---	10.6	5.08	0.097	2.31	0.456	0.003	0	5.52	0.824	---	---	MAX
MIN	---	0	0.069	0.002	0	0	0	0	0	0.009	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.344
MAXIMUM DAILY, 10.68 ON FEB 27
MINIMUM DAILY, 08 ON FEB 1
MAXIMUM INSTANTANEOUS,
15.78 AT 05:18 MST ON FEB 27

SUMMARY FOR THE MONTHS FEB TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 34 50 N
LONG 110 56 30 W
DRAINAGE AREA, 440 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.35
FEB	2 430	AUG	0
MAR	2 270	SEP	1 540
APR	73.3	OCT	299
MAY	1 370	NOV	---
JUN	126	DEC	---

TOTAL DISCHARGE, 8 110 dam³

PEKISKO CREEK NEAR LONGVIEW - STATION NO. 05BL023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.33 B	0.712	1.05	3.26	0.629	0.224	0.235	1.33	0.8708	---	1
2	---	---	1.28 B	0.888	1.02	2.95	0.538	0.200	0.191	1.58	0.890	---	2
3	---	---	1.80 B	0.840	1.03	2.61	0.502	0.185	0.181	1.80	0.813	---	3
4	---	---	1.06 B	0.845	1.35	2.35	0.512	0.207	0.183	1.83	0.8058	---	4
5	---	---	0.8238	0.853	1.86	2.85	0.586	0.233	0.222	1.78	---	---	5
6	---	---	1.27 B	0.845	2.18	2.90	0.601	0.278	0.232	1.85	---	---	6
7	---	---	1.39 B	0.837	2.22	2.84	0.490	0.219	0.205	1.99	---	---	7
8	---	---	1.06 B	0.885	2.24	2.65	0.427	0.186	0.202	2.34	---	---	8
9	---	---	0.7008	0.759	2.31	2.84	0.420	0.202	0.217	2.19	---	---	9
10	---	---	0.5808	0.838	2.82	2.35	0.383	0.191	0.233	2.21	---	---	10
11	---	---	0.5408	0.841	3.15	2.11	0.335	0.172	0.248	2.04	---	---	11
12	---	---	0.503	0.5828	3.37	1.88	0.329	0.175	0.283	1.89	---	---	12
13	---	---	0.482	0.5208	3.12	1.74	0.318	0.178	0.314	1.78	---	---	13
14	---	---	0.415	0.5288	3.00	1.82	0.289	0.176	0.318	1.58	---	---	14
15	---	---	0.415	0.789	2.91	1.68	0.291	0.158	0.309	1.46	---	---	15
16	---	---	0.486	0.812	2.91	1.48	0.383	0.139	0.311	1.34	---	---	16
17	---	---	0.418	0.906	3.00	1.33	0.832	0.122	0.338	1.25	---	---	17
18	---	---	0.406	0.892	2.97	1.27	0.621	0.105	0.425	1.18	---	---	18
19	---	---	0.439	0.847	3.24	1.28	0.484	0.084	0.490	1.12	---	---	19
20	---	---	0.480	0.886	3.34	1.09	0.368	0.084	0.516	1.05	---	---	20
21	---	---	0.575	1.07	4.12	0.947	0.314	0.083	0.538	1.00	---	---	21
22	---	---	0.645	1.28	5.51	0.850	0.289	0.089	0.505	0.956	---	---	22
23	---	---	0.594	1.51	4.81	0.798	0.408	0.077	0.488	0.918	---	---	23
24	---	---	0.558	1.44	4.14	0.780	0.392	0.072	0.478	0.869	---	---	24
25	---	---	0.518	1.46	3.81	0.857	0.333	0.078	0.818	0.834	---	---	25
26	---	1 838	0.502	1.44	4.42	0.741	0.358	0.078	1.78	0.785	---	---	26
27	---	1 588	0.515	1.40	5.12	0.688	0.410	0.081	1.58	0.748	---	---	27
28	---	1 138	0.813	1.27	5.36	0.684	0.385	0.089	1.34	0.725	---	---	28
29	---		1.07	1.15	4.89	0.804	0.333	0.080	1.20	0.712	---	---	29
30	---		0.906	1.07	4.35	0.802	0.298	0.084	1.17	0.721	---	---	30
31	---		0.784		3.78		0.298	0.237		0.7478		---	31
TOTAL	---	---	23.127	27.817	99.50	51.132	13.074	4.512	15.470	42.197	---	---	TOTAL
MEAN	---	---	0.746	0.927	3.21	1.70	0.422	0.148	0.515	1.36	---	---	MEAN
MAX	---	---	1.80	1.51	5.51	3.26	0.832	0.278	1.78	2.34	---	---	MAX
MIN	---	---	0.406	0.620	1.02	0.684	0.256	0.040	0.151	0.712	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.13
MAXIMUM DAILY, 5.51 ON MAY 22
MINIMUM DAILY, 0.040 ON AUG 29
MAXIMUM INSTANTANEOUS,
8.89 AT 10:55 MST ON MAY 22

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 38 26 N
LONG 114 12 20 W
DRAINAGE AREA, 232 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 130
FEB	---	AUG	390
MAR	2 000	SEP	1 340
APR	2 400	OCT	3 850
MAY	5 800	NOV	---
JUN	4 420	DEC	---

TOTAL DISCHARGE, 23 800 dam³

PEMBINA RIVER AT JARVIE - STATION NO. 07BC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.008	5.948	6.308	62.08	80.1	71.3	25.8	195 E	37.6	81.8	37.8A	18.7 B	1
2	6.978	5.908	6.508	62.98	59.0	84.7	24.2	182 A	36.7	90.4	37.3A	17.9 B	2
3	6.958	5.878	6.708	64.28	60.1	88.9	23.1	171 A	35.8	88.6	35.8A	17.1 B	3
4	6.928	5.848	7.008	66.78	81.7	93.5	22.3	158 A	34.6	90.1	36.7	16.9 B	4
5	6.908	5.818	14.0 B	85.18	82.2	49.3	23.2	145 A	33.7	100	33.4	16.6 B	5
6	6.888	5.788	19.6 B	66.69	80.0	44.9	33.0	133 A	33.5	99.8	30.8	15.8 B	6
7	6.868	5.768	20.0 B	70.86	57.0	41.2	36.4	122 A	33.2	94.0	27.6B	14.9 B	7
8	6.798	5.758	20.5 B	78.08	55.2	38.2	36.1	123 A	31.7	88.7	24.4B	15.1 B	8
9	6.728	5.758	21.0 B	80.08	55.4	35.6	39.6	120 A	31.5	85.9	19.9B	15.1 B	9
10	6.658	5.758	21.0 B	81.08	62.2	33.8	47.5	112 A	33.8	83.0	24.3B	15.0 B	10
11	6.618	5.758	20.5 B	75.7A	67.7	32.7	58.0	100 A	41.3	78.7	27.7B	14.7 B	11
12	6.578	5.758	19.5 B	68.1A	68.0	31.9	57.8	91.3A	44.5	73.6	25.9B	14.6 B	12
13	6.538	5.758	18.5 B	51.9A	67.*	31.3	57.7	84.8E	40.2	70.9	28.1B	14.2 B	13
14	6.498	5.758	16.8 B	48.0A	68.8	30.1	64.2	79.3E	35.6	66.5A	27.0B	14.0 B	14
15	6.458	5.758	14.4 B	44.9	68.8	29.5	76.2	75.3E	33.9	62.8A	26.0B	13.8 B	15
16	6.418	5.758	12.4 B	41.1	67.1	28.2	103	72.5A	33.4	58.9A	25.0B	13.6 B	16
17	6.378	5.758	11.3 B	40.4	70.7	27.4	136	70.1A	36.4	56.1A	24.5B	13.4 B	17
18	6.338	5.758	10.7 B	42.0	76.6	27.1	176	67.0A	41.0	53.8E	24.0B	13.2 B	18
19	6.298	5.758	11.7 B	45.0	77.3	29.4	241	62.9A	38.0	52.3E	23.5B	12.6 B	19
20	6.258	5.758	11.7 B	63.2	79.3	30.4	478 A	58.4A	37.0	49.4A	23.0B	12.3 B	20
21	6.228	5.758	16.8 B	89.2	82.3	32.9	526 A	55.3A	35.9	45.8A	22.5B	12.0 B	21
22	6.198	5.758	22.2 B	86.3	83.4	35.1	585 A	52.3A	35.2	44.3E	22.3B	11.6 B	22
23	6.168	5.758	32.2 B	82.4	81.0	37.0	756 A	49.1A	34.7	44.3A	22.0B	11.3 B	23
24	6.138	5.758	40.0 B	59.0A	79.1	36.3	864 A	45.5E	33.4	43.6E	21.8B	10.9 B	24
25	6.108	5.758	44.0 B	80.8	92.6	38.0	835 A	42.8A	32.6	42.1A	21.5B	10.6 B	25
26	6.088	5.808	45.0 B	85.8	94	37.9	753 A	40.4E	32.6	40.8E	21.2B	10.7 B	26
27	6.068	5.908	49.0 B	88.1	105	34.4	480 A	38.9A	33.5	40.0A	20.4B	10.5 B	27
28	6.048	6.108	51.0 B	86.7	99.7	31.1	329 A	37.8A	35.1	39.4A	20.2B	10.3 B	28
29	6.028		54.0 B	85.3	91.1	28.5	270 A	37.3A	36.1	39.0A	19.8B	10.1 B	29
30	6.008		55.0 B	82.7	83.5	27.0	235 A	38.2	43.9	38.8A	19.3B	9.908	30
31	5.978		59.0 B		77.3		212 A	38.9		38.3A		9.708	31
TOTAL	195.91	162.20	780.30	1 855.9	2 284.0	1 127.5	7 884.2	2 698.9	1 079.5	1 981.3	773.7	417.10	TOTAL
MEAN	6.45	5.79	24.5	61.9	73.7	37.6	254	87.1	36.0	63.9	25.8	13.5	MEAN
MAX	7.00	6.10	59.0	81.0	105	71.3	984	195	44.5	100	37.8	18.7	MAX
MIN	5.97	5.75	6.30	40.4	55.2	27.0	22.3	37.3	31.5	38.3	19.3	9.70	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 58.1
MAXIMUM DAILY, 984A ON JUL 24
MINIMUM DAILY, 5.758 ON FEB 6
MAXIMUM INSTANTANEOUS,
1 010 AT 20 30 MST ON JUL 24

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS DERIVED FROM PLOTS OF OBSERVED GAUGE READINGS

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 27 05 N
LONG 113 59 30 W
DRAINAGE AREA, 13 100 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	17 300	JUL	681 000
FEB	14 000	AUG	233 000
MAR	85 700	SEP	93 300
APR	160 000	OCT	171 000
MAY	197 000	NOV	86 800
JUN	97 400	DEC	36 000

TOTAL DISCHARGE, 1 830 000 dam³

PEMBINA RIVER BELOW PADDY CREEK - STATION NO. 07BA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	3.208	7.608	20.1	30.2	23.6	67.2	9.74	70.2	13.6	---	1
2	---	---	3.508	7.358	19.7	26.9	30.0	58.1	9.77	73.7	13.4	---	2
3	---	---	3.458	7.518	18.6	23.8	28.6	51.2	9.77	68.0	15.3	---	3
4	---	---	3.358	8.458	19.1	20.9	29.5	48.8	10.8	61.9	15.4A	---	4
5	---	---	3.108	9.198	23.0	18.3	35.7	52.8	14.0	60.5	---	---	5
6	---	---	3.008	9.928	31.2	16.7	46.0	49.0	19.7	59.6	---	---	6
7	---	---	2.958	10.1 B	39.4	15.8	53.5	43.5	19.3	58.6	---	---	7
8	---	---	3.408	12.4 B	40.1	15.8	51.7	39.0	16.9	51.8	---	---	8
9	---	---	3.258	13.7 B	37.8	15.4	48.6	34.7	13.8	49.0	---	---	9
10	---	---	3.108	12.5 B	37.6	14.6	52.2	31.3	12.8	45.3	---	---	10
11	---	---	2.958	9.388	38.7	13.5	57.2	28.3	13.5	40.9	---	---	11
12	---	---	2.788	8.328	38.2	13.4	60.4	26.3	17.7	37.5	---	---	12
13	---	---	2.788	7.158	34.7	14.1	72.9	24.4	23.6	34.6	---	---	13
14	---	---	2.808	7.738	34.2	13.1	83.4	25.8	23.7	32.3	---	---	14
15	---	---	2.878	7.848	34.0	13.3	85.7	22.9	21.8	30.5	---	---	15
16	---	---	3.058	8.308	37.7	15.7	122	20.2	20.3	28.8	---	---	16
17	---	---	3.188	8.328	45.5	20.4	347 A	18.0	19.8	27.2	---	---	17
18	---	---	3.228	9.268	50.6	17.9	441 A	16.8	19.8	25.7	---	---	18
19	---	---	3.338	9.958	51.8	18.4	989 A	15.5	18.9	24.3	---	---	19
20	---	---	3.608	11.1 B	48.0	23.6	773 A	14.4	17.3	23.1	---	---	20
21	---	---	3.878	12.4	46.4	25.8	579 E	13.9	16.3	22.0	---	---	21
22	---	---	4.128	13.7	56.3	21.8	386 E	13.2	15.0	21.0	---	---	22
23	---	---	4.218	14.7	61.2	18.0	192 A	12.6	14.2	19.7	---	---	23
24	---	---	4.508	15.6	65.0	15.9	161	12.1	13.6	18.5	---	---	24
25	---	---	4.458	15.4	60.8	14.9	133	11.9	14.1	17.8	---	---	25
26	---	---	4.468	14.4	54.8	14.4	107	11.5	24.5	17.3	---	---	26
27	---	2.078	4.588	13.7	50.9	13.8	95.7	11.3	55.3	17.2	---	---	27
28	---	2.458	5.178	13.2	47.4	12.5	84.0	11.0	83.4	16.8	---	---	28
29	---		6.038	14.4	43.0	12.4	76.3	10.5	82.3	16.2	---	---	29
30	---		6.768	17.1	38.7	15.0	84.8A	10.3	61.2	15.8	---	---	30
31	---		7.548		34.2		77.7	9.81		14.9	---	---	31
TOTAL	---	---	118.56	330.52	1 258.8	527.0	5 811.5	818.21	672.08	1 089.0	---	---	TOTAL
MEAN	---	---	3.82	11.0	40.6	17.6	188	26.4	22.4	35.5	---	---	MEAN
MAX	---	---	7.54	17.1	65.0	30.2	989	67.2	83.4	73.7	---	---	MAX
MIN	---	---	2.78	7.15	18.6	12.4	23.6	9.81	9.74	14.9	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 43.4
MAXIMUM DAILY, 989A ON JUL 19
MINIMUM DAILY, 2.788 ON MAR 12
MAXIMUM INSTANTANEOUS,
1 100 AT 01 10 MST ON JUL 19

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 07 47 N
LONG 115 19 30 W
DRAINAGE AREA, 2 900 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	503 000
FEB	---	AUG	70 700
MAR	10 200	SEP	58 100
APR	28 600	OCT	95 000
MAY	109 000	NOV	---
JUN	45 600	DEC	---

TOTAL DISCHARGE, 920 000 dam³

PEMBINA RIVER NEAR ENTWISTLE - STATION NO. 07EB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.658	3.338	7.118	13.3 B	28.4	41.1	14.5	81.0	10.5	75.1E	19.6 B	6.838	1
2	3.608	2.988	11.8 B	13.1 B	31.8	36.7	20.3	77.8	9.83	86.7E	15.2 B	6.028	2
3	3.558	3.118	11.9 B	11.1 B	34.0	32.5	30.7	67.0	9.64	91.3E	17.9 B	6.138	3
4	3.558	3.108	9.058	8.878	29.4	28.6	29.2	55.1	9.56	83.9E	19.1	6.438	4
5	3.508	2.788	6.338	7.518	24.6	25.5	30.8	46.8	10.3	76.0E	20.0	6.158	5
6	3.498	2.738	5.058	6.238	31.1	23.3	35.1	63.5	12.0	75.7A	19.2	6.258	6
7	3.098	2.608	4.868	5.738	37.1	21.5	45.9	59.4	17.4	73.2	16.2 B	5.898	7
8	3.018	2.548	5.118	6.358	44.8	20.1	53.2	54.0	22.0	68.6	5.128	5.998	8
9	2.898	2.748	7.508	11.6 B	47.2	19.3	52.8	48.8	19.2	62.6	3.018	6.148	9
10	2.938	2.608	6.728	17.7 B	46.3	19.3	53.0	44.0	16.7	58.1	4.558	6.278	10
11	3.238	2.558	6.268	17.1 B	46.1	18.4	56.1	40.1	16.3	54.3	13.5 B	6.158	11
12	3.288	2.498	5.588	15.3 B	46.5	18.9	86.5	36.7	16.2	49.4	15.0 B	6.248	12
13	3.228	2.428	5.168	14.0 B	45.0	18.1	81.2	33.6	18.5	45.6	15.8 B	6.278	13
14	3.148	2.628	5.348	13.9 B	45.8	16.3	107	31.9A	24.8	42.5	16.3 B	6.188	14
15	2.878	2.708	5.528	13.8 B	51.7	17.1	114	31.7	26.7	39.6	16.9 B	6.288	15
16	3.088	2.518	6.218	15.7	55.6	16.3	144	29.4	25.2	37.5	17.4 B	6.018	16
17	3.128	2.198	7.168	14.6	59.8	18.4	301	26.9	24.0	35.6	16.8 B	5.768	17
18	3.048	2.268	8.028	16.0	65.0	22.4	808 A	24.8	23.1	33.7	16.0 B	5.728	18
19	3.008	2.258	7.348	15.8	67.0	22.3	1 100 A	22.9A	22.8	32.1	15.0 B	5.588	19
20	3.198	2.258	8.168	16.3	64.7	21.0	1 180 A	20.6E	22.4	30.2	14.3 B	5.108	20
21	3.218	2.258	8.958	16.3	60.1	24.9	777 A	18.3A	21.0	28.6	13.6 B	5.138	21
22	3.208	2.258	9.058	17.7	58.2	27.2	479 A	17.0	20.0	27.0	13.0 B	4.908	22
23	3.078	2.258	8.438	21.1	55.3	24.7	365 E	16.0	18.5	26.1	12.2 B	4.988	23
24	3.348	2.738	7.408	24.3	49.4	21.2	264 E	14.9	17.3	24.9	11.7 B	5.078	24
25	3.308	2.858	7.218	24.8	47.4	18.8	189 E	14.0	17.3	23.8	10.3 B	5.148	25
26	3.208	3.178	7.248	24.7	78.8	17.1	160 E	13.4	18.9	22.9	8.028	5.278	26
27	3.018	3.408	8.418	23.4	68.5	16.5	135 E	12.9	27.5	22.2	6.218	5.608	27
28	3.208	3.658	11.1 B	22.3	62.1	15.5	121 E	12.6	55.0 A	22.1	7.878	5.288	28
29	3.108		11.1 B	21.9	56.6	14.2	104 E	12.1	77.9 E	21.7	7.788	5.138	29
30	3.018		10.3 B	24.3	51.3	13.7	83.5E	11.5	76.6 E	21.4	7.358	5.268	30
31	3.348		11.9 B		46.1		97.5A	10.8		21.0		5.128	31
TOTAL	98.42	75.38	243.37	474.79	1 681.8	646.9	7 111.8	1 073.5	707.38	1 412.8	396.89	178.40	TOTAL
MEAN	3.21	2.69	7.85	15.8	53.6	21.6	229	34.6	23.6	45.6	13.2	5.75	MEAN
MAX	3.65	3.65	11.9	24.8	89.4	41.1	1 180	81.0	77.9	91.3	20.0	6.83	MAX
MIN	2.87	2.19	4.96	5.73	28.1	13.7	14.5	10.8	9.56	21.0	3.01	4.90	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 38.6
MAXIMUM DAILY, 1 180A ON JUL 20
MINIMUM DAILY, 2.198 ON FEB 17
MAXIMUM INSTANTANEOUS,
1 250 AT 00 40 MST ON JUL 20

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 36 18 N
LONG 115 00 14 W
DRAINAGE AREA, 4 420 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	8 590	JUL	614 000
FEB	6 510	AUG	92 800
MAR	21 000	SEP	61 100
APR	41 000	OCT	122 000
MAY	144 600	NOV	34 300
JUN	55 900	DEC	15 400

TOTAL DISCHARGE, 1 220 000 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS DERIVED FROM HIGH WATER MARK

PICHE RIVER NEAR IMPERIAL MILLS - STATION NO. 07CA010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.3648	0.4308	1.42	1.90	0.868	2.85	0.927	0.090	0.0358	---	1
2	---	---	0.3648	0.4458	1.59	1.82	0.803	2.79	0.881	0.081	0.0298	---	2
3	---	---	0.3648	0.4658	1.60	1.81	0.798	2.83	0.849	0.090	0.0338	---	3
4	---	---	0.3648	0.4908	1.63	1.70	0.809	3.03	0.837	0.072	0.0408	---	4
5	---	---	0.3648	0.5008	1.64	1.55	0.911	3.14	0.822	0.076	0.0688	---	5
6	---	---	0.3648	0.4958	1.58	1.48	0.928	3.32	0.798	0.084	---	---	6
7	---	---	0.3648	0.4808	1.55	1.41	0.824	3.48	0.778	0.083	---	---	7
8	---	---	0.3648	0.4658	1.60	1.40	0.784	3.53	0.741	0.087	---	---	8
9	---	---	0.3648	0.4408	1.68	1.35	0.717	3.50	0.731	0.084	---	---	9
10	---	---	0.3648	0.4208	1.78	1.32	0.691	3.46	0.709	0.083	---	---	10
11	---	---	0.3648	0.3808	1.81	1.48	0.800	3.41	0.651	0.088	---	---	11
12	---	---	0.3648	0.3658	1.84	1.53	0.636	3.34	0.642	0.088	---	---	12
13	---	---	0.3648	0.3638	1.82	1.46	0.767	3.22	0.632	0.085	---	---	13
14	---	---	0.3648	0.3858	1.82	1.40	0.901	3.13	0.551	0.088	---	---	14
15	---	---	0.3648	0.3708	1.84	1.37	0.922	3.04	0.522	0.085	---	---	15
16	---	---	0.3648	0.3748	1.54	1.34	1.18	3.00	0.511	0.089	---	---	16
17	---	---	0.3648	0.4208	1.56	1.32	1.49	2.94	0.483	0.087	---	---	17
18	---	---	0.3648	0.5008	1.56	1.27	2.01	2.85	0.410	0.038	---	---	18
19	---	---	0.3648	0.7528	1.54	1.25	2.24	2.78	0.359	0.033	---	---	19
20	---	---	0.3648	1.068	1.54	1.26	2.39	2.70	0.293	0.030	---	---	20
21	---	---	0.3858	1.23	1.52	1.26	2.57	2.58	0.215	0.037	---	---	21
22	---	---	0.3908	1.19	1.63	1.79	2.60	2.46	0.166	0.055	---	---	22
23	---	---	0.3858	1.01	1.91	1.28	2.51	2.33	0.151	0.048	---	---	23
24	---	---	0.3788	1.00	1.97	1.27	2.43	2.18	0.149	0.114	---	---	24
25	---	---	0.3798	1.12	1.90	1.18	2.44	1.99	0.138	0.041A	---	---	25
26	---	---	0.3798	0.933	1.88	1.18	2.36	1.78	0.150	0.026A	---	---	26
27	---	---	0.3808	0.881	1.86	1.17	2.35	1.67	0.153	0.041	---	---	27
28	---	---	0.3858	1.14	1.75	1.12	2.46	1.48	0.158	0.080	---	---	28
29	---	---	0.3828	1.31	1.72	1.08	2.73	1.28	0.141	0.0788	---	---	29
30	---	---	0.4028	1.35	1.65	0.984	2.78	1.14	0.142	0.0588	---	---	30
31	---	---	0.4178		1.75		2.86	0.998		0.041B	---	---	31
TOTAL	---	---	11.553	20.743	52.37	41.224	49.339	82.088	14.688	1.815	---	---	TOTAL
MEAN	---	---	0.373	0.691	1.69	1.37	1.59	2.65	0.490	0.059	---	---	MEAN
MAX	---	---	0.417	1.35	1.97	1.90	2.86	3.53	0.927	0.114	---	---	MAX
MIN	---	---	0.364	0.363	1.42	0.984	0.800	0.998	0.138	0.026	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.12
MAXIMUM DAILY, 3.53 ON AUG 8
MINIMUM DAILY, 0.026A ON OCT 26
MAXIMUM INSTANTANEOUS,
3.53 AT 18 40 MST ON AUG 8

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 00 35 N
LONG 111 42 40 W
DRAINAGE AREA, 1 030 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 260
FEB	---	AUG	7 090
MAR	988	SEP	1 270
APR	1 790	OCT	157
MAY	4 520	NOV	---
JUN	3 580	DEC	---

TOTAL DISCHARGE, 23 800 dam³

PIGEON LAKE AT GRANDVIEW - STATION NO. 05FA013

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	850.156	850.105E	850.310	850.212	850.197	850.095	---	1
2	---	---	---	---	---	850.155E	850.098	850.308	850.212	850.195	850.145E	---	2
3	---	---	---	---	---	850.154	850.116	850.310	850.203E	850.197	850.195	---	3
4	---	---	---	---	---	850.150E	850.116	850.310	850.194	850.206E	---	---	4
5	---	---	---	---	---	850.148	850.107E	850.306	850.192	850.215	---	---	5
6	---	---	---	---	---	850.143E	850.088	850.316	850.182	850.211	---	---	6
7	---	---	---	---	---	850.139	850.101	850.313E	850.182	850.212E	---	---	7
8	---	---	---	---	---	850.137	850.100	850.310	850.180E	850.212E	---	---	8
9	---	---	---	---	---	850.141	850.095	850.306	850.177E	850.213	---	---	9
10	---	---	---	---	---	850.137	850.115	850.307	850.175E	850.214E	---	---	10
11	---	---	849.985	---	---	850.129	850.115E	850.301	850.172	850.215	---	---	11
12	---	---	---	---	850.080	850.121	850.115	850.298	850.182	850.213	---	---	12
13	---	---	---	---	850.079	850.123	850.121	850.295	850.181	850.211	---	---	13
14	---	---	---	850.010	850.098E	850.121	850.119	850.293	850.181	850.213	---	---	14
15	---	---	---	---	850.114E	850.119E	850.122E	850.283	850.188	850.215	---	---	15
16	---	---	---	---	850.131	850.117	850.125	850.273	850.185	850.213	---	---	16
17	---	---	---	---	850.137	850.119	850.205E	850.269E	850.180	850.211E	---	---	17
18	---	---	---	---	850.151	850.119	850.285	850.265	850.180	850.209	---	---	18
19	---	---	---	---	850.155	850.125	850.300	850.265	850.180	850.211	---	---	19
20	---	---	---	---	850.157E	850.119	850.307	850.247	850.155	850.214	---	---	20
21	---	---	---	---	850.158	850.119	850.315	850.241	850.157	850.209	---	---	21
22	---	---	---	---	850.159E	850.117	850.317	850.239E	850.157	850.207	---	---	22
23	---	---	850.009	---	850.160	850.116	850.320E	850.237	850.155E	850.207E	---	---	23
24	---	---	---	---	850.160	850.114	850.323	850.235	850.153	850.207E	---	---	24
25	---	---	---	---	850.158	850.116	850.318	850.231	850.152E	850.207	---	---	25
26	---	---	---	---	850.158	850.114E	850.318	850.233	850.170E	850.190E	---	---	26
27	---	---	---	---	850.156	850.112	850.316	850.230	850.179	850.173E	---	---	27
28	---	---	---	---	850.158	850.116	850.315E	850.230	850.179E	850.157E	---	---	28
29	---	---	---	850.052	850.158	850.114E	850.314	850.228E	850.179	850.140E	---	---	29
30	---	---	---	---	850.160	850.112	850.314E	850.222	850.188E	850.123	---	---	30
31	---	---	---	---	850.160		850.314	850.217E		850.097	---	---	31
MEAN	---	---	---	---	---	850.127	850.205	850.272	850.174	850.197	---	---	MEAN
MAX	---	---	---	---	---	850.156	850.323	850.316	850.212	850.215	---	---	MAX
MIN	---	---	---	---	---	850.112	850.095	850.217	850.153	850.097	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MAXIMUM DAILY, 850.323 ON JUL 24

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 59 15 N
LONG 114 03 10 W

E - ESTIMATED

NATURAL FLOW

DRAINAGE AREA
284 km²

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

PIGEON LAKE CREEK NEAR USONA - STATION NO. 05FA019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.3028	0.197	0.082	0.192	0.011	0.875	0.004	0.110	0.025	---	1
2	---	---	0.8978	0.178	0.058	0.194	0.002	0.854	0.005	0.128	0.030	---	2
3	---	---	1.16 B	0.160	0.057	0.206	0.008	0.815	0.014	0.129	0.029A	---	3
4	---	---	1.23 B	0.143	0.046	0.213	0.010	0.877	0.010	0.145	---	---	4
5	---	---	0.7498	0.131	0.041	0.153	0.015	0.870	0.002	0.148	---	---	5
6	---	---	0.5168	0.102	0.044	0.071	0.010	0.913	0.002	0.142	---	---	6
7	---	---	1.00 B	0.080	0.053	0.043	0.001	1.01	0.001	0.143	---	---	7
8	---	---	0.4988	0.086	0.065	0.047	0.001	1.18	0.004	0.087	---	---	8
9	---	---	0.2408	0.063	0.070	0.008	0.001	1.14	0.023	0.087	---	---	9
10	---	---	0.1328	0.086	0.075	0.008	0.001	1.09	0.023	0.086	---	---	10
11	---	---	0.0568	0.054	0.079	0.007	0.001	1.05	0.031	0.072	---	---	11
12	---	---	0.0488	0.038	0.095	0.013	0.005	0.986	0.035	0.077	---	---	12
13	---	---	0.0528	0.028	0.137	0.015	0.008	0.905	0.028	0.056	---	---	13
14	---	---	0.0878	0.017	0.415	0.023	0.002	0.827	0.022	0.045	---	---	14
15	---	---	0.1088	0.008	1.07	0.048	0.011	0.785	0.014	0.062	---	---	15
16	---	---	0.1688	0.013	2.05	0.058	0.013	0.708	0.018	0.048	---	---	16
17	---	---	0.2168	0.019	3.31	0.058	0.234	0.696	0.018	0.031	---	---	17
18	---	---	0.3528	0.031	2.83	0.066	0.498	0.581	0.024	0.024	---	---	18
19	---	---	0.6428	0.054	2.39	0.095	0.805	0.393	0.029	0.032	---	---	19
20	---	---	1.19 B	0.125	1.21	0.109	1.10	0.236	0.029	0.034	---	---	20
21	---	---	1.05 B	0.188	0.939	0.096	1.30	0.205	0.028	0.032	---	---	21
22	---	---	0.5418	0.191	0.815	0.080	1.38	0.137	0.030	0.031	---	---	22
23	---	---	0.3778	0.182	0.858	0.066	1.40	0.088	0.041	0.035	---	---	23
24	---	0 B	0.2238	0.150	0.517	0.053	1.31	0.080	0.042	0.038	---	---	24
25	---	0 B	0.3068	0.105	0.417	0.050	1.21	0.058	0.048	0.036	---	---	25
26	---	0 B	0.2838	0.095	0.337	0.045	1.13	0.048	0.055	0.037	---	---	26
27	---	0 B	0.4018	0.094	0.316	0.032	1.07	0.038	0.080	0.038	---	---	27
28	---	0.0378	0.3718	0.083	0.220	0.018	1.05	0.041	0.088	0.038	---	---	28
29	---		0.355	0.078	0.230	0.010	1.05	0.051	0.080	0.036	---	---	29
30	---		0.301	0.090	0.245	0.020	1.02	0.042	0.086	0.037	---	---	30
31	---		0.232		0.214		0.982	0.042		0.029	---	---	31
TOTAL	---	---	14.181	2.856	19.085	2.095	15.641	17.884	0.878	2.084	---	---	TOTAL
MEAN	---	---	0.457	0.095	0.616	0.070	0.505	0.577	0.029	0.067	---	---	MEAN
MAX	---	---	1.23	0.197	3.31	0.213	1.40	1.16	0.088	0.148	---	---	MAX
MIN	---	---	0.048	0.008	0.041	0.008	0.001	0.038	0.001	0.024	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.305
MAXIMUM DAILY, 3.31 ON MAY 17
MINIMUM DAILY, 0.001 ON JUL 7
MAXIMUM INSTANTANEOUS,
3.98 AT 13:00 MST ON MAY 17

SUMMARY FOR THE 4MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 52 10 N
LONG 113 53 47 W
DRAINAGE AREA, 377 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 350
FEB	---	AUG	1 550
MAR	1 220	SEP	70.9
APR	247	OCT	180
MAY	1 650	NOV	---
JUN	181	DEC	---

TOTAL DISCHARGE, 6 450 dam³

PINCHER CREEK AT PINCHER CREEK - STATION NO 05AA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	3.41	1.55	1.84	4.07	0.622	0.180	0.210	1.80	0.820	---	1
2	---	---	2.88	1.53	1.78	3.84	0.570	0.140	0.188	1.62	0.805	---	2
3	---	---	2.47	1.42	2.08	3.44	0.515	0.132	0.126	1.40	0.855	---	3
4	---	---	2.34	1.38	3.67	3.18	0.585	0.135	0.142	1.44	0.898	---	4
5	---	---	2.13	1.31	4.37	3.48	0.612	0.140	0.265	1.51	1.01 A	---	5
6	---	---	1.93	1.23	4.57	4.08	0.541	0.159	0.272	1.84	---	---	6
7	---	---	1.93	1.22	3.73	4.29	0.483	0.136	0.231	2.03	---	---	7
8	---	---	2.16	1.24	3.28	3.80	0.448	0.100	0.257	2.42	---	---	8
9	---	---	1.82	1.28	3.16	3.59	0.427	0.109	0.478	2.34	---	---	9
10	---	---	1.67	1.38	3.11	2.82	0.386	0.124	0.584	2.38	---	---	10
11	---	---	1.40	1.47	2.85	2.47	0.375	0.095	0.542	2.09	---	---	11
12	---	---	1.32	1.38	2.62	2.29	0.381	0.078	0.495	1.87	---	---	12
13	---	---	1.28	1.46	2.58	2.08	0.374	0.084	0.530	1.72	---	---	13
14	---	---	1.22	1.48	2.54	1.89	0.340	0.077	0.551	1.69	---	---	14
15	---	---	1.18	1.68	2.82	1.81	0.327	0.084	0.536	1.45	---	---	15
16	---	---	1.20	1.80	3.40	1.83	0.367	0.054	0.528	1.38	---	---	16
17	---	---	1.15	1.85	3.75	1.48	0.433	0.054	0.889	1.23	---	---	17
18	---	---	1.05	1.51	3.24	1.38	0.374	0.047	1.05	1.18	---	---	18
19	---	---	1.11	1.44	3.71	1.27	0.320	0.040	1.10	1.11	---	---	19
20	---	---	1.18	1.41	4.16	1.18	0.286	0.038	1.02	1.05	---	---	20
21	---	---	1.35	1.49	4.82	1.07	0.272	0.041	0.945	0.983	---	---	21
22	---	---	1.36	2.50	5.06	0.964	0.277	0.042	0.841	0.984	---	---	22
23	---	---	1.26	3.84	4.26	0.893	0.284	0.043	1.11	0.934	---	---	23
24	---	---	1.23	3.18	3.70	0.824	0.294	0.040	1.43	0.903	---	---	24
25	---	10.0 A	1.07	3.06	3.52	0.784	0.285	0.044	1.88	0.855	---	---	25
26	---	7.24	1.03	2.90	4.02	0.727	0.286	0.045	2.08	0.848	---	---	26
27	---	3.90	1.13	2.65	4.68	0.718	0.273	0.044	1.70	0.840	---	---	27
28	---	3.59	1.38	2.31	5.18	0.690	0.260	0.037	1.43	0.859	---	---	28
29	---		1.54	2.14	5.12	0.769	0.216	0.033	1.19	0.844	---	---	29
30	---		1.60	2.00	4.88	0.894	0.196	0.064	1.24	0.908	---	---	30
31	---		1.72		4.44		0.172	0.143		0.877		---	31
TOTAL	---	---	49.44	54.87	113.11	81.983	11.549	2.853	23.701	43.245	---	---	TOTAL
MEAN	---	---	1.59	1.83	3.65	2.07	0.373	0.082	0.790	1.40	---	---	MEAN
MAX	---	---	3.41	3.84	5.19	4.29	0.622	0.180	2.08	2.42	---	---	MAX
MIN	---	---	1.03	1.22	1.78	0.690	0.172	0.033	0.125	0.840	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.47
MAXIMUM DAILY, 5.19 ON MAY 26
MINIMUM DAILY, 0.033 ON AUG 29
MAXIMUM INSTANTANEOUS,
5.48 AT 17.45 MST ON MAY 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 29 12 N
LONG 113 58 49 W
DRAINAGE AREA, 155 km²
A - MANUAL GAUGE

NATURAL FLOW

REMARKS - HIGHER DISCHARGES OCCURRED OUTSIDE THE STANDARD PERIOD

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	988
FEB	---	AUG	221
MAR	4 270	SEP	2 050
APR	4 740	OCT	3 740
MAY	5 770	NOV	---
JUN	5 360	DEC	---

TOTAL DISCHARGE, 31 100 dam³

PINE CREEK NEAR GRASSLAND - STATION NO 07CA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0108	4.14 B	0.785	0.589	0.311	3.30	1.17	0.845	0.5608	---	1
2	---	---	0.0108	3.19 B	0.839	0.408	0.328	3.17	1.29	1.03	0.5558	---	2
3	---	---	0.0108	2.81 B	0.803	0.318	0.351	2.88	1.31	1.22	0.5198	---	3
4	---	---	0.0108	3.38 B	0.790	0.181	0.346	2.88	1.48	1.07	0.5258	---	4
5	---	---	0.0208	3.41 B	0.856	0.152	0.353	2.78	1.69	0.996	0.5648	---	5
6	---	---	1.69 B	2.98 B	0.815	0.087	0.346	2.80	1.67	1.07	0.5878	---	6
7	---	---	1.20 B	2.77 B	0.835	0.113	0.328	2.73	1.87	0.940	---	---	7
8	---	---	0.9508	2.48 B	0.859	0.247	0.316	2.60	1.61	0.821	---	---	8
9	---	---	0.8608	2.88	0.860	0.284	0.400	2.40	1.49	1.20	---	---	9
10	---	---	0.8008	2.46	0.815	0.241	0.457	2.40	1.45	0.912	---	---	10
11	---	---	0.8008	1.86	0.808	0.294	0.534	2.28	1.49	0.776	---	---	11
12	---	---	0.8058	2.49	0.776	0.351	0.825	2.18	1.00	1.05	---	---	12
13	---	---	0.8108	2.58	0.796	0.377	0.946	2.08	1.15	0.945	---	---	13
14	---	---	0.8208	2.46	0.701	0.553	1.14	2.07	1.24	0.896	---	---	14
15	---	---	0.8408	2.05	0.834	0.328	1.34	1.97	1.25	0.940	---	---	15
16	---	---	0.8608	1.61	0.457	0.304	2.76	1.89	1.19	0.912	---	---	16
17	---	---	0.8808	1.37	0.544	0.330	4.31	1.80	1.06	0.878	---	---	17
18	---	---	0.9308	1.33	0.693	0.314	5.43	1.84	1.01	0.835	---	---	18
19	---	---	2.00 B	1.25	0.802	0.325	10.8	1.75	1.05	0.894	---	---	19
20	---	---	3.97 B	1.18	0.545	0.432	13.3	1.67	1.08	0.987	---	---	20
21	---	---	3.00 B	1.12	0.646	0.447	13.6	1.70	0.974	0.951	---	---	21
22	---	---	2.40 B	1.00	0.491	0.486	9.99	1.81	0.991	0.852	---	---	22
23	---	---	1.80 B	0.995	0.532	0.463	6.85	1.68	0.885	0.892	---	---	23
24	---	---	1.40 B	0.949	0.567	0.425	5.39	1.55	0.806	0.938	---	---	24
25	---	---	1.17 B	0.918	0.897	0.423	4.53	1.48	0.865	0.857	---	---	25
26	---	---	1.00 B	0.853	0.588	0.412	4.13	1.56	0.847	0.839	---	---	26
27	---	---	1.00 B	0.884	0.642	0.378	3.85	1.55	0.714	0.833	---	---	27
28	---	---	2.52 B	0.944	0.587	0.360	3.65	1.57	1.02	0.756	---	---	28
29	---		7.22 B	0.809	0.566	0.312	3.52	1.02	1.04	0.647	---	---	29
30	---		7.73 B	0.892	0.556	0.293	3.34	1.15	1.07	0.5808	---	---	30
31	---		5.57 B		0.777		3.27	1.16		0.5708		---	31
TOTAL	---	---	53.105	58.245	21.540	10.183	107.641	53.63	35.585	28.011	---	---	TOTAL
MEAN	---	---	1.71	1.94	0.695	0.339	3.47	2.05	1.19	0.904	---	---	MEAN
MAX	---	---	7.73	4.14	0.939	0.589	13.6	3.30	1.89	1.22	---	---	MAX
MIN	---	---	0.010	0.805	0.457	0.087	0.311	1.02	0.714	0.670	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.54
MAXIMUM DAILY, 13.6 ON JUL 21
MINIMUM DAILY, 0.0108 ON MAR 1
MAXIMUM INSTANTANEOUS,
14.3 AT 03.34 MST ON JUL 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 49 10 N
LONG 112 46 30 W
DRAINAGE AREA, 1 450 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	9 300
FEB	---	AUG	5 500
MAR	4 590	SEP	3 070
APR	5 030	OCT	2 420
MAY	1 880	NOV	---
JUN	880	DEC	---

TOTAL DISCHARGE, 32 700 dam³

PINTO CREEK NEAR GRANDE PRAIRIE - STATION NO. 07DC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.215B	2.00 B	4.50E	2.45	0.881	0.847	0.112	7.17	---	---	1
2	---	---	0.220B	1.42 B	4.40E	2.10	0.598	0.550	0.121	4.75	---	---	2
3	---	---	0.210B	1.00 B	4.70E	1.85 E	0.492	0.507	0.171	3.80	---	---	3
4	---	---	0.205B	0.978B	7.00E	1.70 E	0.456	0.491	0.307	3.84	---	---	4
5	---	---	0.195B	1.84 B	10.5 E	1.55 E	0.606	0.495	0.491	3.88	---	---	5
6	---	---	0.145B	2.06 B	14.0 E	1.42 E	1.02	0.428	0.449	3.31	---	---	6
7	---	---	0.110B	2.28 B	13.5 E	1.30 E	1.05	0.380	0.308	2.53	---	---	7
8	---	---	0.085B	2.67 B	13.0 E	1.20 E	0.977	0.349	0.233	2.12	---	---	8
9	---	---	0.090B	6.47 B	12.0 E	1.12 E	0.791	0.308	0.208	1.82	---	---	9
10	---	---	0.095B	4.02 B	10.5 E	1.02 E	0.890	0.287	0.183	1.82	---	---	10
11	---	---	0.110B	2.37 B	9.40E	1.05 E	0.731	0.289	0.207	1.47	---	---	11
12	---	---	0.220B	1.88 B	7.20E	1.25 E	0.718	0.257	0.242	1.31	---	---	12
13	---	---	0.308B	1.52 B	6.60E	1.15 E	0.591	0.243	0.310	1.20	---	---	13
14	---	---	0.470B	1.22 B	6.30E	1.10 E	0.543	0.210	0.307	1.13	---	---	14
15	---	---	0.238B	1.15 B	6.00E	2.00 E	0.843	0.192	0.265	1.04	---	---	15
16	---	---	0.238B	1.47 B	6.20E	5.00 E	1.75	0.172	0.283	0.958	---	---	16
17	---	---	0.274B	1.58 B	6.70E	4.00 E	5.98	0.161	0.254	0.905	---	---	17
18	---	0.050B	0.343B	5.54	11.5 E	3.00 E	9.58	0.156	0.238	0.822	---	---	18
19	---	0.045B	0.543B	7.44	14.0 E	2.30 E	5.85	0.172	0.220	0.784	---	---	19
20	---	0.040B	0.579B	11.9	15.5 E	1.90 E	3.43	0.181	0.209	0.731	---	---	20
21	---	0.035B	0.858B	11.6	15.0 E	1.45 E	2.30	0.147	0.202	0.695	---	---	21
22	---	0.030B	1.40 B	8.80	13.7 E	1.10 E	1.57	0.143	0.185	0.675	---	---	22
23	---	0.030B	2.25 B	5.45	7.38A	0.840E	1.55	0.139	0.177	0.628	---	---	23
24	---	0.035B	2.44 B	4.52	5.29	0.740E	1.91	0.145	0.174	0.605	---	---	24
25	---	0.040B	1.98 B	3.85	5.88	0.780E	1.50	0.145	0.283	0.624	---	---	25
26	---	0.060B	1.58 B	3.32	5.67	0.750A	1.05	0.137	0.753	0.598	---	---	26
27	---	0.110B	2.08 B	3.74	5.19	0.722	0.750	0.148	2.21	0.593	---	---	27
28	---	0.160B	2.67 B	3.75	4.82	0.630	0.649	0.148	1.97	0.570	---	---	28
29	---		2.91 B	4.05 A	4.43	0.609	0.603	0.132	2.34	0.680A	---	---	29
30	---		2.69 B	5.00 E	3.91	0.588	0.634	0.124	5.86	0.670E	---	---	30
31	---		2.30 B		3.04		0.712	0.113		0.650E	---	---	31
TOTAL	---	---	28.055	114.436	258.82	45.639	50.371	7.945	20.232	52.290	---	---	TOTAL
MEAN	---	---	0.905	3.81	8.35	1.55	1.62	0.256	0.674	1.69	---	---	MEAN
MAX	---	---	2.91	11.9	15.5	5.00	9.58	0.847	5.86	7.17	---	---	MAX
MIN	---	---	0.090	0.978	3.04	0.588	0.456	0.113	0.112	0.593	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.36
MAXIMUM DAILY, 15.5E ON MAY 20
MINIMUM DAILY, 0.090B ON MAR 9
MAXIMUM INSTANTANEOUS, 21.0 ON MAY 21

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 50 35 N
LONG 119 23 22 W
DRAINAGE AREA, 496 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 350
FEB	---	AUG	686
MAR	2 420	SEP	1 750
APR	9 890	OCT	4 520
MAY	22 400	NOV	---
JUN	4 030	DEC	---

TOTAL DISCHARGE, 50 000 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS DERIVED FROM HIGH WATER MARK

PIPESTONE CREEK BELOW BIGSTONE CREEK - STATION NO. 05PA022

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	7.70 B	2.66 B	0.746	1.48	0.098	1.09	0.005	0.050	---	---	1
2	---	---	7.85 B	2.45 B	0.747	1.30	0.095	0.978	0.012	0.068	---	---	2
3	---	---	7.85 B	2.07 B	0.807	1.15	0.100	0.908	0.010	0.082	---	---	3
4	---	---	7.80 B	1.72 B	0.816	0.987	0.068	0.904	0.011	0.128	---	---	4
5	---	---	8.60 B	1.48 B	0.805	0.813	0.048	0.852	0.011	0.219	---	---	5
6	---	---	4.80 B	1.45 B	0.802	0.584	0.043	1.07	0.010	0.274	---	---	6
7	---	---	3.00 B	1.34 B	0.785	0.626	0.049	1.04	0.010	0.255	---	---	7
8	---	---	1.20 B	1.32	0.776	0.528	0.042	1.01	0.010	0.251	---	---	8
9	---	---	1.20 B	1.21	0.771	0.416	0.030	0.958	0.010	0.219	---	---	9
10	---	---	1.20 B	1.16	0.731	0.292	0.059	0.867	0.012	0.223	---	---	10
11	---	---	1.20 B	1.12	0.855	0.202	0.102	0.845	0.013	0.213	---	---	11
12	---	---	1.19 B	1.08	0.621	0.115	0.078	0.787	0.016	0.212	---	---	12
13	---	---	0.858B	1.03	0.578	0.056	0.082	0.741	0.040	0.212	---	---	13
14	---	---	0.782B	0.973	1.72	0.041	0.074	0.703	0.040	0.289	---	---	14
15	---	---	0.766B	0.933	3.84	0.105	0.077	0.844	0.021	0.349	---	---	15
16	---	---	0.857B	0.972	3.35	0.157	0.030	0.592	0.018	0.425	---	---	16
17	---	---	1.11 B	0.963	3.19	0.017	0.292	0.510	0.016	0.483	---	---	17
18	---	---	1.22 B	0.897	3.97	0.050	0.257	0.440	0.014	0.402	---	---	18
19	---	---	1.51 B	0.823	4.88	0.110	0.427	0.400	0.012	0.339	---	---	19
20	---	---	2.81 B	0.804	5.36	0.184	0.542	0.320	0.010	0.324	---	---	20
21	---	---	3.30 B	0.715	5.33	0.155	0.631	0.289	0.010	0.561	---	---	21
22	---	---	2.87 B	0.676	5.07	0.146	0.855	0.233	0.010	0.505	---	---	22
23	---	---	3.33 B	0.673	4.80	0.089	1.73	0.221	0.012	0.372	---	---	23
24	---	---	2.90 B	0.684	4.09	0.043	2.24	0.204	0.016	0.255	---	---	24
25	---	---	2.46 B	0.681	3.75	0.055	1.93	0.135	0.020	0.175	---	---	25
26	---	---	2.57 B	0.649	3.29	0.051	1.39	0.094	0.038	0.128	---	---	26
27	---	---	1.69 B	0.630	2.81	0.035	1.42	0.068	0.117	0.100	---	---	27
28	---	---	1.58 B	0.647	2.45	0.059	1.42	0.062	0.130	0.074	---	---	28
29	---		1.87 B	0.684	2.18	0.092	1.38	0.020	0.083	0.059A	---	---	29
30	---		2.26 B	0.743	1.87	0.096	1.30	0.021	0.060	0.085E	---	---	30
31	---		2.10 B		1.72		1.19	0.010		0.085E	---	---	31
TOTAL	---	---	88.511	33.217	73.441	10.123	18.087	17.114	0.787	7.324	---	---	TOTAL
MEAN	---	---	2.85	1.11	2.37	0.337	0.583	0.552	0.026	0.236	---	---	MEAN
MAX	---	---	7.85	2.66	5.36	1.48	2.24	1.09	0.130	0.561	---	---	MAX
MIN	---	---	0.762	0.630	0.578	0.017	0.030	0.010	0.005	0.050	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.01
MAXIMUM DAILY, 7.85B ON MAR 2
MINIMUM DAILY, 0.005 ON SEP 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 02 25 N
LONG 113 21 54 W
DRAINAGE AREA, 1 010 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 550
FEB	---	AUG	1 480
MAR	7 550	SEP	86.3
APR	2 870	OCT	533
MAY	9 350	NOV	---
JUN	875	DEC	---

TOTAL DISCHARGE, 21 500 dam³

PIPESTONE RIVER NEAR LAKE LOUISE - STATION NO. 05BA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.905B	0.987B	0.758B	0.705B	1.88B	84.8E	19.4	10.5	5.45	4.07	2.74 E	1.44 B	1
2	0.900B	0.971B	0.741B	0.700B	1.94B	74.2A	20.4	10.9	5.34	3.78	2.56 B	1.35 B	2
3	0.890B	0.932B	0.726B	0.690B	2.00B	50.5	18.3	11.8	5.57	3.55	2.37 B	1.25 B	3
4	0.865B	0.920B	0.722B	0.675B	2.15B	42.1	14.5	12.4	5.20	3.63	2.24	1.35 B	4
5	0.855B	0.900B	0.712B	0.660B	2.28A	38.7	12.6	12.2	5.23	3.88	2.21	1.44 B	5
6	0.835B	0.905B	0.711B	0.670B	2.18	36.2	11.6	11.2	5.10	3.88	2.17	1.60 B	6
7	0.830B	0.915B	0.704B	0.720B	2.20	40.6	12.1	11.1	4.48	4.08	2.13 B	1.85 B	7
8	0.818B	0.891B	0.689B	0.760B	2.51	42.3	12.7	11.2	4.08	3.99	1.90 B	1.80 B	8
9	0.833B	0.880B	0.675B	0.860B	2.94	34.5	13.8	10.5	4.98	3.91	0.810B	1.57 B	9
10	0.843B	0.860B	0.646B	0.740B	2.89	33.5	13.8	10.1	4.43	3.77	0.820B	1.55 B	10
11	0.870B	0.850B	0.638B	0.620B	2.56	40.4	14.1	10.8	4.69	3.54	1.06 B	1.54 B	11
12	0.870B	0.835B	0.652B	0.680B	2.34	31.0	13.2	12.3	4.15	3.55	1.25 B	1.54 B	12
13	0.865B	0.830B	0.659B	0.800B	2.16	25.4	12.3	12.1	3.83	3.43	1.50 B	1.58 B	13
14	0.895B	0.820B	0.632B	0.860B	1.99	26.3	11.9	11.8	3.57	3.37	1.71 B	1.60 B	14
15	0.865B	0.815B	0.607B	0.980B	1.99	35.5	11.9	10.9	3.47	3.31	1.83 B	1.59 B	15
16	0.900B	0.810B	0.623B	0.800B	2.05	25.1	12.1	8.95	3.92	3.26	1.88 B	1.58 B	16
17	0.906B	0.790B	0.628B	0.870B	2.41	24.2	10.9	8.02	4.54	3.20	1.95 B	1.54 B	17
18	0.918B	0.775B	0.597B	1.10 B	3.26	32.4	10.8	7.63	4.11	3.13A	2.02 B	1.54 B	18
19	0.924B	0.770B	0.618B	1.40 B	5.35	33.3	10.5	7.37	3.82	3.09A	2.07 B	1.65 B	19
20	0.928B	0.765B	0.610B	1.68 B	7.68	21.8	10.5	6.68	3.83	3.02A	2.11 B	1.55 B	20
21	0.947B	0.760B	0.602B	2.10 B	8.60	17.8	10.8	6.25	3.59	2.99A	2.06 B	1.46 B	21
22	0.955B	0.755B	0.600B	2.10 B	7.78	16.9	10.3	6.14	3.51	2.85A	2.03 B	1.37 B	22
23	0.967B	0.760B	0.575B	2.08 B	7.48	19.2	10.0	6.07	3.52	2.86A	2.12 B	1.27 B	23
24	0.973B	0.806B	0.595B	2.02 B	7.98	28.4	10.7	6.10	3.47	2.84A	2.18 B	1.19 B	24
25	0.979B	0.877B	0.581B	1.98 B	10.7	25.7	10.1	5.97	4.04	2.84	2.14 B	1.11 B	25
26	0.963B	0.920B	0.580B	2.05 B	18.8	22.6	10.6	5.61	4.74	2.90	2.08 B	1.04 B	26
27	0.997B	0.858B	0.700B	2.02 B	34.9	19.8	14.3	5.42	4.69	3.78	2.00 B	1.01 B	27
28	1.02 B	0.799B	0.770B	2.00 B	44.2 A	19.6	13.0	5.84	4.31	3.37	1.40 B	0.994B	28
29	1.01 B		0.740B	1.83 B	47.8 E	25.0	12.8	5.65	4.04	3.00A	1.46 B	0.970B	29
30	0.993B		0.735B	1.90 B	54.2 A	24.6	11.1	7.52	4.12	3.03	1.55 B	0.885B	30
31	1.01 B		0.720B		54.4 E		10.3	6.90		2.85A		0.724B	31
TOTAL	28.371	23.756	20.544	37.150	391.61	990.4	456.4	277.62	134.82	104.54	56.070	42.537	TOTAL
MEAN	0.915	0.848	0.663	1.24	12.6	33.0	14.7	8.96	4.49	3.37	1.87	1.37	MEAN
MAX	1.02	0.987	0.770	2.10	54.4	84.8	20.4	12.4	5.57	4.08	2.74	1.65	MAX
MIN	0.818	0.765	0.575	0.620	1.88	16.9	10.3	5.42	3.47	2.84	0.810	0.724	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.02
MAXIMUM DAILY, 84.8E ON JUN 1
MINIMUM DAILY, 0.575B ON MAR 22
MAXIMUM INSTANTANEOUS,
84.1 AT 04 00 MST ON JUN 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT. 51 26 02 N
LONG 115 10 20 W
DRAINAGE AREA, 306 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 450	JUL	39 400
FEB	2 050	AUG	24 000
MAR	1 780	SEP	11 800
APR	3 210	OCT	9 030
MAY	33 800	NOV	4 840
JUN	85 600	DEC	3 680

TOTAL DISCHARGE, 221 000 dam³

PIYAMI DRAIN NEAR PICTURE BUTTE - STATION NO. 05AD037

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	0.132	0.913	0.500	0.588	0.443	0	---	1
2	---	---	---	---	0	0.277	0.810	0.480	0.523	0.608	0	---	2
3	---	---	---	---	0	0.181	0.725	0.553	0.519	0.577	0	---	3
4	---	---	---	---	0.012A	0.229	0.881	0.724	0.509	0.456	0.002A	---	4
5	---	---	---	---	0.022	0.342	0.990	0.780	0.565	0.446	---	---	5
6	---	---	---	---	0.015	0.393	0.855	0.555	0.605	0.459	---	---	6
7	---	---	---	---	0.014	0.859	0.874	0.517	0.598	0.483	---	---	7
8	---	---	---	---	0.005A	0.769	0.872	0.403	0.673	0.582	---	---	8
9	---	---	---	---	0	0.771	0.690A	0.535	0.630	0.513	---	---	9
10	---	---	---	---	0	0.575	0.603A	0.572	0.632	0.314	---	---	10
11	---	---	---	---	0	0.438	0.528A	0.581	0.683	0.142	---	---	11
12	---	---	---	---	0	0.481	0.463A	0.523	0.642	0.046	---	---	12
13	---	---	---	---	0	0.579	0.603A	0.505	0.667	0.002	---	---	13
14	---	---	---	---	0.006A	0.596	0.632	0.481	0.705	0	---	---	14
15	---	---	---	---	0.021	0.779	0.550	0.506	0.670	0	---	---	15
16	---	---	---	---	0.015	0.742	0.577	0.431	0.635	0	---	---	16
17	---	---	---	---	0.012	0.806	0.635	0.428	0.649	0	---	---	17
18	---	---	---	---	0.006A	0.892	0.523	0.363	0.619	0	---	---	18
19	---	---	---	---	0.006A	0.754	0.557	0.207	0.628	0	---	---	19
20	---	---	---	---	0.027	0.890	0.622	0.212	0.852	0	---	---	20
21	---	---	---	---	0.023	0.898	0.801	0.333	0.682	0	---	---	21
22	---	---	---	---	0.050	0.728	0.720	0.370	0.710	0	---	---	22
23	---	---	---	0A	0.052	0.783	0.822	0.348	0.682	0	---	---	23
24	---	---	---	0	0.047	0.917	0.820	0.261	0.848	0	---	---	24
25	---	---	---	0	0.052	1.09	0.737	0.370	0.805	0	---	---	25
26	---	---	---	0	0.057	0.910	0.706	0.412	0.855	0	---	---	26
27	---	---	---	0	0.046	0.794	0.780	0.384	0.706	0	---	---	27
28	---	---	---	0	0.185	0.738	0.674	0.385	0.638	0	---	---	28
29	---		---	0	0.227	1.01	0.832	0.385	0.595	0	---	---	29
30	---		---	0	0.303	1.00	0.842	0.558	0.484	0	---	---	30
31	---		---		0.208		0.497	0.584		0		---	31
TOTAL	---	---	---	---	1.411	19.583	21.652	14.216	18.206	5.051	---	---	TOTAL
MEAN	---	---	---	---	0.046	0.653	0.698	0.459	0.840	0.163	---	---	MEAN
MAX	---	---	---	---	0.303	1.09	0.990	0.780	0.855	0.608	---	---	MAX
MIN	---	---	---	---	0	0.132	0.463	0.207	0.484	0	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.441
MAXIMUM DAILY, 1.09 ON JUN 25
MINIMUM DAILY, 0 ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT. 49 49 49 N
LONG 112 45 43 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 870
FEB	---	AUG	1 230
MAR	---	SEP	1 860
APR	---	OCT	436
MAY	122	NOV	---
JUN	1 890	DEC	---

TOTAL DISCHARGE, 7 010 dam³

POINTE-AUX-PINS CREEK NEAR ARDROSSAN - STATION NO. 05EB902

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.289B	0.988	0.057	0	0	0.088	0	0.123	---	---	1
2	---	---	0.776B	0.847	0.044	0.001	0	0.071	0	0.115	---	---	2
3	---	---	1.26 B	0.751	0.042	0	0.004	0.049	0	0.107	---	---	3
4	---	---	1.82 B	0.671	0.045	0	0.010	0.125	0	0.120	---	---	4
5	---	---	1.48 B	0.615	0.043	0	0.009	0.088	0	0.118	---	---	5
6	---	---	0.635B	0.629	0.043	0	0.004	0.088	0	0.097	---	---	6
7	---	---	0.267B	0.574	0.036	0	0	0.048	0	0.088	---	---	7
8	---	---	0.177B	0.515	0.085	0	0	0.056	0	0.067	---	---	8
9	---	---	0.140B	0.448	0.048	0	0	0.020	0	0.088	---	---	9
10	---	---	0.105B	0.393	0.047	0	0	0.008	0	0.092	---	---	10
11	---	---	0.073B	0.352	0.053	0	0.188	0.005	0.040	0.089	---	---	11
12	---	---	0.059B	0.355	0.048	0	0.027	0.005	0.084	0.060	---	---	12
13	---	---	0.056B	0.344	0.034	0	0.120	0.005	0.022	0.049	---	---	13
14	---	---	0.096B	0.334	0.140	0	0.210	0.045	0.063	0.043	---	---	14
15	---	---	0.138B	0.324	0.237	0	0.135	0.084	0.041	0.072	---	---	15
16	---	---	0.192B	0.293	0.272	0	0.135	0.107	0.022	0.081	---	---	16
17	---	---	0.236B	0.210	0.207	0	0.711	0.129	0.005	0.042E	---	---	17
18	---	---	0.284B	0.206	0.170	0	0.789	0.095	0.002	0.042E	---	---	18
19	---	---	0.716B	0.189	0.124	0	0.788	0.052	0.001	0.042E	---	---	19
20	---	---	1.15 B	0.169	0.085	0	0.682	0.039	0.002	0.042E	---	---	20
21	---	---	1.49 B	0.155	0.087	0	0.441	0.028	0.001	0.042E	---	---	21
22	---	---	1.39 B	0.138	0.076	0	0.270	0.027	0.001	0.042E	---	---	22
23	---	---	1.49 B	0.135	0.055	0	0.184	0.019	0.007	0.042E	---	---	23
24	---	---	1.23	0.161	0.044	0	0.135	0.009	0.006	0.042E	---	---	24
25	---	---	0.977	0.145	0.036	0	0.134	0.008	0.014	0.042E	---	---	25
26	---	---	1.02	0.089	0.031	0	0.082	0.008	0.035	0.037E	---	---	26
27	---	0 B	1.27	0.076	0.092	0	0.049	0.001	0.097	0.032E	---	---	27
28	---	0.225B	1.61	0.070	0.022	0	0.068	0.001	0.137	0.026E	---	---	28
29	---		1.54	0.082	0.013	0	0.119	0.002	0.145	0.021E	---	---	29
30	---		1.50	0.073	0.009	0	0.137	0.001	0.132	0.015E	---	---	30
31	---		1.34		0.006		0.132	0.001		0.010E		---	31
TOTAL	---	---	24.805	10.312	2.311	0.001	5.483	1.321	0.857	1.886	---	---	TOTAL
MEAN	---	---	0.800	0.344	0.075	0	0.177	0.043	0.029	0.061	---	---	MEAN
MAX	---	---	1.82	0.988	0.272	0.001	0.789	0.129	0.145	0.123	---	---	MAX
MIN	---	---	0.056	0.070	0.006	0	0	0.001	0	0.010	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.192
MAXIMUM DAILY, 1.82B ON MAR 4
MINIMUM DAILY, 0 ON JUN 1
MAXIMUM INSTANTANEOUS,
2.54 AT 19:55 MST ON MAR 4

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 35 58 N
LONG 113 09 49 W
DRAINAGE AREA, 106 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	474
FEB	---	AUG	114
MAR	2 140	SEP	74 0
APR	891	OCT	163
MAY	200	NOV	---
JUN	0.09	DEC	---

TOTAL DISCHARGE, 4 060 dam³

POINTE-AUX-PINS TRIBUTARY NO. 1 NEAR ARDROSSAN - STATION NO. 05EB909

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.044B	0.170	0.012	0	0	0.034	0	0	---	---	1
2	---	---	0.060B	0.127	0.005	0	0	0.027	0	0	---	---	2
3	---	---	0.085B	0.071	0.010	0	0	0.018	0	0	---	---	3
4	---	---	0.171B	0.055	0.011	0	0	0.076	0	0.003	---	---	4
5	---	---	0.244B	0.059	0.013	0	0	0.033	0	0.005	---	---	5
6	---	---	0.088B	0.050	0.009	0	0	0.049	0	0.001	---	---	6
7	---	---	0.025B	0.047	0.003	0	0	0.030	0	0	---	---	7
8	---	---	0.015B	0.041	0.157	0	0	0.012	0	0	---	---	8
9	---	---	0.013B	0.038	0.036	0	0	0.005	0	0.027	---	---	9
10	---	---	0.027B	0.031	0.025	0	0	0.001	0	0.127	---	---	10
11	---	---	0.042B	0.030	0.025	0	0.016	0	0	0.118	---	---	11
12	---	---	0.025B	0.031	0.010	0	0	0	0.008	0.059	---	---	12
13	---	---	0.050B	0.029	0.004	0	0.024	0	0.003	0.026	---	---	13
14	---	---	0.080B	0.028	0.074	0	0.084	0.112	0.002	0.017	---	---	14
15	---	---	0.095B	0.019	0.124	0	0.049	0.107	0.003	0.007	---	---	15
16	---	---	0.091B	0.005	0.132	0	0.053	0.051	0.004	0.002	---	---	16
17	---	---	0.059B	0.011	0.121	0	0.178	0.032	0.002	0.002	---	---	17
18	---	---	0.051B	0.016	0.102	0	0.337	0.010	0.001	0.002	---	---	18
19	---	---	0.133B	0.014	0.069	0	0.512	0.001	0.002	0.002	---	---	19
20	---	---	0.209B	0.013	0.033	0	0.507	0	0.003	0.002	---	---	20
21	---	---	0.278B	0.012	0.038	0	0.356	0	0.004	0.002	---	---	21
22	---	---	0.207B	0.009	0.032	0	0.224	0	0.006	0.002	---	---	22
23	---	---	0.279B	0.009	0.024	0	0.181	0	0.008	0.002	---	---	23
24	---	---	0.197	0.077	0.029	0	0.116	0	0.010	0.002	---	---	24
25	---	---	0.156	0.033	0.022	0	0.070	0	0.008	0.002	---	---	25
26	---	---	0.165	0.010	0.050	0	0.026	0	0.002	0.001	---	---	26
27	---	0.001B	0.232	0.005	0.238	0	0.018	0	0.001	0.001	---	---	27
28	---	0.001B	0.339	0.005	0.047	0	0.023	0	0.001	0.001	---	---	28
29	---		0.394	0.010	0.007	0	0.038	0	0.008	0 B	---	---	29
30	---		0.323	0.013	0	0	0.055	0	0	0 B	---	---	30
31	---		0.228		0		0.058	0		0 B		---	31
TOTAL	---	---	4.411	1.078	1.481	0	2.887	0.508	0.134	0.414	---	---	TOTAL
MEAN	---	---	0.142	0.035	0.047	0	0.093	0.020	0.004	0.013	---	---	MEAN
MAX	---	---	0.394	0.170	0.238	0	0.512	0.112	0.031	0.127	---	---	MAX
MIN	---	---	0.013	0.005	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.045
MAXIMUM DAILY, 0.512 ON JUL 19
MINIMUM DAILY, 0 ON MAY 30
MAXIMUM INSTANTANEOUS,
0.585 AT 15:38 MST ON JUL 19

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 34 43 N
LONG 113 08 48 W
DRAINAGE AREA, 17.8 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	249
FEB	---	AUG	52.5
MAR	381	SEP	11.6
APR	93.1	OCT	35.8
MAY	126	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 949 dam³

POINTE-AUX-PINS TRIBUTARY NO. 2 NEAR ARDROSSAN - STATION NO. 05EB910

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0208	0.007	0.003	0	0	0	0	0.004	---	---	1
2	---	---	0.1528	0.005	0.003	0	0	0	0	0.004	---	---	2
3	---	---	0.2838	0.005	0.003	0	0	0	0	0.004	---	---	3
4	---	---	0.7888	0.005	0.004	0	0	0	0	0.003	---	---	4
5	---	---	0.4218	0.004	0.005	0	0	0	0	0.003	---	---	5
6	---	---	0.1188	0.011	0.004	0	0	0	0	0.003	---	---	6
7	---	---	0.0868	0.008	0.004	0	0	0	0	0.007	---	---	7
8	---	---	0.0618	0.006	0.004	0	0	0	0	0.006	---	---	8
9	---	---	0.0338	0.007	0.004	0	0	0	0	0.005	---	---	9
10	---	---	0.0178	0.007	0.004	0	0.001	0	0	0.004	---	---	10
11	---	---	0.0128	0.007	0.006	0	0.005	0	0	0.004	---	---	11
12	---	---	0.0128	0.006	0.007	0	0.001	0	0	0.001	---	---	12
13	---	---	0.0128	0.006	0.004	0	0.021	0	0	0.001	---	---	13
14	---	---	0.0148	0.005	0.023	0	0.023	0	0	0.001	---	---	14
15	---	---	0.0228	0.005	0.020	0	0.026	0	0	0.001	---	---	15
16	---	---	0.0198	0.005	0.005	0	0.006	0	0	0.001	---	---	16
17	---	---	0.0268	0.004	0.007	0	0.233	0	0	0.001	---	---	17
18	---	---	0.0308	0.004	0.006	0	0.206	0	0	0.001	---	---	18
19	---	---	0.1038	0.004	0.005	0	0.047	0	0	0.001	---	---	19
20	---	---	0.2888	0.003	0.003	0	0.008	0	0	0.001	---	---	20
21	---	---	0.2568	0.004	0.002	0	0.002	0	0	0.001	---	---	21
22	---	---	0.1988	0.004	0.002	0	0	0	0	0	---	---	22
23	---	---	0.141	0.003	0.002	0	0	0	0	0	---	---	23
24	---	---	0.052	0.003	0.002	0	0	0	0	0	---	---	24
25	---	---	0.034	0.002	0.001	0	0	0	0	0	---	---	25
26	---	---	0.058	0.003	0.001	0	0	0	0.004	0	---	---	26
27	---	0.0018	0.152	0.004	0.001	0	0	0	0.007	0	---	---	27
28	---	0 B	0.188	0.00	0	0	0	0	0.008	0	---	---	28
29	---		0.100	0.003	0	0	0	0	0.003	0	---	---	29
30	---		0.040	0.003	0	0	0	0	0.003	0	---	---	30
31	---		0.019		0		0	0		0		---	31
TOTAL	---	---	3.747	0.153	0.141	0	0.589	0	0.029	0.072	---	---	TOTAL
MEAN	---	---	0.121	0.005	0.005	0	0.019	0	0.001	0.002	---	---	MEAN
MAX	---	---	0.789	0.011	0.023	0	0.233	0	0.007	0.009	---	---	MAX
MIN	---	---	0.012	0.002	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.019
MAXIMUM DAILY, 0.7888 ON MAR 4
MINIMUM DAILY, 0 ON MAY 28
MAXIMUM INSTANTANEOUS,
1.33 AT 16 38 MST ON MAR 4

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 35 44 N
LONG 113 08 49 W
DRAINAGE AREA, 8.36 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	50.9
FEB	---	AUG	0
MAR	324	SEP	1.93
APR	13.2	OCT	6.31
MAY	12.2	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 409 dam³

POINTE-AUX-PINS TRIBUTARY NO. 3 NEAR ARDROSSAN - STATION NO. 05EB911

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0038	0.0148	0.002	0	0	0.001	0	0.001	---	---	1
2	---	---	0.0048	0.0088	0.002	0	0	0.001	0	0.001	---	---	2
3	---	---	0.0058	0.0088	0.002	0	0	0	0	0.001	---	---	3
4	---	---	0.1788	0.0118	0.002	0	0	0	0	0.001	---	---	4
5	---	---	0.0858	0.0098	0.002	0	0	0.001	0	0.001	---	---	5
6	---	---	0.0048	0.0078	0.002	0	0	0.002	0	0.001	---	---	6
7	---	---	0.0028	0.0078	0.002	0	0	0.001	0	0.001	---	---	7
8	---	---	0.0028	0.0078	0.002	0	0	0.001	0	0.001	---	---	8
9	---	---	0.0028	0.0078	0.002	0	0	0	0	0.001	---	---	9
10	---	---	0.0038	0.0078	0.002	0	0	0	0	0.001	---	---	10
11	---	---	0.0018	0.0078	0.002	0	0.001	0	0	0.001	---	---	11
12	---	---	0 B	0.0078	0.002	0	0.001	0	0	0.001	---	---	12
13	---	---	0 B	0.0078	0.001	0	0.001	0	0	0.001	---	---	13
14	---	---	0.0018	0.0078	0.020	0	0.001	0	0	0.001	---	---	14
15	---	---	0.0028	0.0078	0.021	0	0.001	0	0	0.001	---	---	15
16	---	---	0.0058	0.0078	0.010	0	0.002	0	0	0.001	---	---	16
17	---	---	0.0078	0.0078	0.008	0	0.038	0	0	0.001	---	---	17
18	---	---	0.0108	0.0078	0.005	0	0.037	0	0	0.001	---	---	18
19	---	---	0.0088	0.0078	0.005	0	0.018	0	0	0.001	---	---	19
20	---	---	0.0068	0.0068	0.003	0	0.013	0	0	0.001	---	---	20
21	---	---	0.0138	0.006	0.001	0	0.010	0	0	0.001	---	---	21
22	---	---	0.0108	0.005	0.001	0	0.007	0	0	0.001	---	---	22
23	---	---	0.0138	0.004	0.001	0	0.005	0	0	0.001	---	---	23
24	---	---	0.0088	0.003	0.005	0	0.005	0	0	0.001	---	---	24
25	---	---	0.0058	0.002	0.004	0	0.002	0	0	0.001	---	---	25
26	---	---	0.0158	0.002	0.002	0	0.001	0	0.001	0	---	---	26
27	---	0.0028	0.0288	0.002	0.001	0	0.001	0	0.001	0	---	---	27
28	---	0.0028	0.0288	0.002	0.001	0	0.002	0	0.001	0	---	---	28
29	---		0.0288	0.002	0.001	0	0.001	0	0.001	0	---	---	29
30	---		0.0248	0.002	0	0	0.001	0	0.001	0	---	---	30
31	---		0.0208		0		0.002	0		0		---	31
TOTAL	---	---	0.443	0.185	0.115	0	0.182	0.003	0.005	0.026	---	---	TOTAL
MEAN	---	---	0.014	0.006	0.004	0	0.005	0	0	0.001	---	---	MEAN
MAX	---	---	0.178	0.014	0.021	0	0.038	0.002	0.001	0.001	---	---	MAX
MIN	---	---	0	0.002	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.004
MAXIMUM DAILY, 0.1788 ON MAR 4
MINIMUM DAILY, 0B ON MAR 12

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 35 44 N
LONG 113 08 47 W
DRAINAGE AREA, 3.65 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	13.1
FEB	---	AUG	0.83
MAR	38.3	SEP	0.43
APR	15.0	OCT	2.16
MAY	9.94	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 80.6 dam³

PONTON RIVER ABOVE BOYER RIVER - STATION NO. 07JF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.5608	0.3008	16.9B	32.8	30.7	26.0E	13.2	4.48	---	---	1
2	---	---	0.5058	0.2508	17.7	35.5	31.1	23.3	13.0	4.28	---	---	2
3	---	---	0.5009	0.2508	17.1	29.7	31.6	23.8	12.8	4.38	---	---	3
4	---	---	0.4508	0.3008	22.9	28.4	30.3E	21.5	12.0	3.80	---	---	4
5	---	---	0.4308	0.4508	31.1	28.1	29.1	20.8	11.5E	3.66	---	---	5
6	---	---	0.4008	0.6508	44.5	27.0	27.6	18.9	10.8	3.86	---	---	6
7	---	---	0.3654	0.7808	67.3	25.8E	26.0	18.1	10.4	3.88E	---	---	7
8	---	---	0.3358	0.7788	82.4	24.2	3.98E	17.4	9.89	3.86	---	---	8
9	---	---	0.3108	0.6508	97.4	22.9	23.7	16.8	9.30	3.86	---	---	9
10	---	---	0.3008	0.3908	107	23.0	22.5	15.3	9.14	3.70	---	---	10
11	---	---	0.2858	0.2508	105	22.8	24.2	15.3	8.45	4.32E	---	---	11
12	---	---	0.2858	0.2308	91.2	21.8	32.9	14.3	7.76	4.93E	---	---	12
13	---	---	0.2608	0.2258	105	24.8	40.7	13.2	7.54	5.55	---	---	13
14	---	---	0.2558	0.2508	108	21.8	36.8	12.9	6.76	6.30	---	---	14
15	---	---	0.2508	0.4308	97.4	21.8	34.3	14.8	6.54E	3.90	---	---	15
16	---	---	0.2508	0.7928	84.4	1.32	31.3E	22.1	6.31	3.78	---	---	16
17	---	---	0.2458	0.9618	51.8	18.4	28.1	22.1	6.20E	3.78	---	---	17
18	---	---	0.2408	2.19 B	48.2	17.6	25.6	20.4	6.08	3.78	---	---	18
19	4.87	---	0.2458	2.84 B	46.3	17.8	23.8	19.3	5.84	3.52	---	---	19
20	---	1.00 B	0.2208	2.24 B	44.3	20.4	22.0	18.7	5.34	3.62	---	---	20
21	---	0.9508	0.2058	2.80 B	42.8	48.8	20.8	18.1	5.12	3.56	---	---	21
22	---	0.9008	0.2058	3.03 B	43.0	71.0	18.8	18.8	5.10	3.62	---	---	22
23	---	0.6808	0.2108	2.84 B	42.8	97.8	18.4	18.8	4.98	3.43E	---	---	23
24	---	0.6208	0.2108	2.33 B	47.2	87.0	20.8	17.8	4.95E	3.33	---	---	24
25	---	0.7808	0.2108	1.79 B	57.2	38.6	32.7	18.2	4.92	3.21	---	---	25
26	---	0.7508	0.2308	2.22 B	44.0	28.2	27.5	20.4	5.78	3.18	---	---	26
27	---	0.7408	0.2408	2.36 B	41.1	26.3	29.2	19.8	5.78	3.19E	---	---	27
28	---	0.8508	0.2508	4.96 B	38.4	25.5	25.0	19.2	5.10	3.20	---	---	28
29	---	---	0.2908	4.26 B	38.5	32.6	24.0	17.8	3.68	3.01e	---	---	29
30	---	---	0.3558	27.7 B	36.1	32.1	27.4	16.0	4.06E	2.88B	---	---	30
31	---	---	0.3508		34.9E		28.6	14.6		1.84B	---	---	31
TOTAL	---	---	9.485	70.123	1 714.1	822.8	855.8	580.8	226.33	115.06	---	---	TOTAL
MEAN	---	---	0.306	2.34	55.3	30.8	28.0	18.7	7.51	3.71	---	---	MEAN
MAX	---	---	0.560	27.7	108	71.0	40.7	26.0	13.2	6.95	---	---	MAX
MIN	---	---	0.205	0.230	16.9	17.6	18.4	12.9	3.68	1.84	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.4
MAXIMUM DAILY, 108 ON MAY 14
MINIMUM DAILY, 0.2058 ON MAR 21
MAXIMUM INSTANTANEOUS,
122 AT 18 30 MST ON MAY 13

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 27 53 N
LONG 115 15 23 W
DRAINAGE AREA, 2 440 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	74 900
FEB	---	AUG	50 200
MAR	820	SEP	19 700
APR	6 060	OCT	9 940
MAY	148 000	NOV	---
JUN	79 700	DEC	---

TOTAL DISCHARGE, 389 000 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS DERIVED FROM GRAPH OF OBSERVED READINGS

PONY CREEK NEAR CHARD - STATION NO. 07CE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0678	0.1518	0.723	0.952	0.281	3.28	0.228	0.275	---	---	1
2	---	---	0.0658	0.1808	0.700	0.826	0.236	2.86	0.228	0.258	---	---	2
3	---	---	0.0638	0.2308	1.25	0.703	0.726	2.41	0.216	0.259	---	---	3
4	---	---	0.0608	0.3078	1.73	0.808	0.248	2.18	0.211	0.254	---	---	4
5	---	---	0.0588	0.4738	1.62	0.577	0.327	1.87	0.207	0.287	---	---	5
6	---	---	0.0598	1.23 B	1.51	0.538	0.483	1.68	0.204	0.281	---	---	6
7	---	---	0.0688	1.35 B	1.46	0.487	0.631	1.54	0.193	0.271	---	---	7
8	---	---	0.0698	1.51 B	1.47	0.432	0.781	1.31	0.185	0.280	---	---	8
9	---	---	0.0708	1.87 B	1.26	0.398	0.827	1.20	0.196	0.282	---	---	9
10	---	---	0.0838	0.7108	1.43	0.392	0.808	1.08	0.211	0.288	---	---	10
11	---	---	0.0628	0.3508	1.38	0.383	0.551	0.981	0.211	0.243	---	---	11
12	---	---	0.0648	0.3108	1.20	0.569	0.658	0.905	0.204	0.238	---	---	12
13	---	---	0.0618	0.2808	1.28	0.590	0.671	0.788	0.205	0.230	---	---	13
14	---	---	0.0618	0.2188	1.43	0.517	0.877	0.699	0.200	0.232	---	---	14
15	---	---	0.0598	0.1898	1.30	0.448	0.892	0.698	0.197	0.240	---	---	15
16	---	---	0.0618	0.1658	0.986	0.372	1.51	0.556	0.196	0.235	---	---	16
17	---	---	0.0628	0.1618	0.851	0.323	2.30	0.480	0.188	0.234	---	---	17
18	---	---	0.0628	0.1738	0.840	0.337	7.89	0.434	0.185	0.230	---	---	18
19	---	---	0.0628	0.2018	0.779	0.346	9.26	0.499	0.197	0.226	---	---	19
20	---	---	0.0618	0.2108	0.756	0.474	8.95	0.526	0.200	0.233	---	---	20
21	---	---	0.0638	0.3008	0.717	0.849	8.59	0.472	0.201	0.229	---	---	21
22	---	---	0.0618	0.3308	0.779	0.770	7.94	0.404	0.204	0.232	---	---	22
23	---	---	0.0618	0.3508	1.27	0.852	6.62	0.372	0.198	0.230	---	---	23
24	---	---	0.0618	0.2808	1.69	0.751	5.65	0.373	0.204	0.221	---	---	24
25	---	---	0.0638	0.3858	1.81	0.572	5.34	0.325	0.205	0.219	---	---	25
26	---	---	0.0858	0.3758	1.58	0.489	4.48	0.284	0.206	0.218	---	---	26
27	---	---	0.0788	0.3608	1.61	0.478	3.78	0.288	0.217	0.219	---	---	27
28	---	---	0.0588	0.384	1.35	0.340	3.88	0.294	0.263	0.2028	---	---	28
29	---	---	0.1068	0.392	1.26	0.305	4.22	0.270	0.294	0.1748	---	---	29
30	---	---	0.0958	0.413	1.15	0.291	3.85	0.285	0.296	0.1578	---	---	30
31	---	---	0.0888		1.05		3.58	0.233		0.1288	---	---	31
TOTAL	---	---	2.091	13.715	37.891	15.715	95.141	25.448	6.391	7.214	---	---	TOTAL
MEAN	---	---	0.067	0.457	1.23	0.524	3.10	0.850	0.213	0.233	---	---	MEAN
MAX	---	---	0.106	1.87	1.73	0.952	9.26	3.28	0.296	0.282	---	---	MAX
MIN	---	---	0.058	0.151	0.700	0.291	0.225	0.233	0.185	0.128	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.852
MAXIMUM DAILY, 9.26 ON JUL 19
MINIMUM DAILY, 0.0588 ON MAR 5
MAXIMUM INSTANTANEOUS,
9.58 AT 15 14 MST ON JUL 19

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 51 55 N
LONG 110 55 00 W
DRAINAGE AREA, 278 km²

B - ICE CONDITIONS

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8 210
FEB	---	AUG	2 540
MAR	181	SEP	552
APR	1 180	OCT	623
MAY	3 280	NOV	---
JUN	1 380	DEC	---

TOTAL DISCHARGE, 18 000 dam³

POPLAR CREEK NEAR FORT MCMURRAY - STATION NO. 07DA007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	08	08	0 B	0.5008	2.39	4.65	1.34	3.49	0.872	0.198	0.2488	0.0528	1
2	08	08	0 B	0.6308	2.39	4.40	1.19	3.70	0.718	0.113	0.2398	0.0518	2
3	08	08	0 B	0.8408	2.39	4.22	1.03	3.43	0.791	0.110	0.2208	0.0508	3
4	08	08	0 B	1.07 B	3.46	3.78	1.28	3.24	0.760	0.109	0.2068	0.0498	4
5	08	08	0 B	1.45 B	3.85	3.49	1.38	3.00	0.690	0.127	0.1988	0.0488	5
6	08	08	0 B	1.23	3.14	3.35	1.37	7.43	0.782	0.188	0.1898	0.0478	6
7	08	08	0 B	1.31	3.23	3.04	1.32	6.84	0.833	0.310	0.1828	0.0468	7
8	08	08	0 B	1.62	3.21	2.81	1.28	5.23	0.782	0.295	0.1598	0.0458	8
9	08	08	0 B	1.45	3.43	2.66	1.28	5.57	0.857	0.288	0.1388	0.0458	9
10	08	08	0 B	1.29	4.00	2.33	1.25	5.00	0.672	0.213	0.1308	0.0448	10
11	08	08	0 B	1.24	4.72	2.09	1.24	4.73	0.387	0.199	0.1288	0.0438	11
12	08	08	0 B	1.12	4.73	2.02	1.22	4.33	0.408	0.191	0.1188	0.0428	12
13	08	08	0 B	1.27	4.76	1.76	1.20	3.67	0.361	0.296	0.1058	0.0418	13
14	08	08	0 B	1.12	4.80	1.61	1.18	3.23	0.161	0.223	0.0988	0.0408	14
15	08	08	0 B	1.12	4.83	1.51	1.30	3.22	0.130	0.284	0.0958	0.0408	15
16	08	08	0 B	1.11	4.49	1.34	1.48	2.95	0.129	0.278	0.0908	0.0398	16
17	08	08	0 B	1.22	4.23	1.26	1.53	2.40	0.130	0.284	0.0858	0.0398	17
18	08	08	0 B	1.85	4.16	1.30	2.83	2.06	0.130	0.258	0.0808	0.0388	18
19	08	08	0 B	1.84	4.01	1.33	5.41	1.96	0.118	0.298	0.0788	0.0378	19
20	08	08	0 B	1.96	3.73	1.28	5.57	1.93	0.114	0.262	0.0768	0.0378	20
21	08	08	0 B	1.85	3.56	1.59	5.37	1.73	0.114	0.221	0.0708	0.0368	21
22	08	08	0 B	1.85	4.00	1.78	6.08	1.63	0.122	0.198	0.0658	0.0368	22
23	08	08	0 B	1.85	3.92	1.81	6.12	1.49	0.152	0.203	0.0639	0.0358	23
24	08	08	0 B	2.01	3.57	1.82	6.88	1.33	0.194	0.216	0.0608	0.0348	24
25	08	08	0 B	2.22	3.88	1.74	7.01	1.10	0.138	0.203	0.0598	0.0348	25
26	08	08	0 0108	2.38	4.89	1.54	6.63	1.00	0.133	0.197	0.0588	0.0338	26
27	08	08	0 0708	2.38	7.08	1.55	6.63	.01	0.131	0.2858	0.0578	0.0328	27
28	08	08	0 1208	2.39	5.14	1.53	6.37	0.958	0.134	0.3858	0.0568	0.0328	28
29	08		0 1908	2.39	5.22	1.45	6.89	0.877	0.098	0.3838	0.0568	0.0318	29
30	08		0 2208	2.39	5.18	1.42	6.04	0.875	0.089	0.2868	0.0548	0.0318	30
31	08		0.3108		5.08		6.32	0.764		0.2848		0.0308	31
TOTAL	0	0	0.920	67.190	130.70	86.50	109.19	116.214	10.422	7.037	3.389	1.237	TOTAL
MEAN	0	0	0.030	1.87	3.89	2.22	3.64	3.75	0.347	0.227	0.113	0.040	MEAN
MAX	0	0	0.310	2.35	8.22	4.65	8.32	8.70	0.872	0.385	0.248	0.052	MAX
MIN	0	0	0	0.500	2.32	1.26	1.03	0.764	0.089	0.198	0.054	0.030	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 1.32
MAXIMUM DAILY, 8.70 ON AUG 2
MINIMUM DAILY, 0.0 ON JAN 1
MAXIMUM INSTANTANEOUS,
9.29 AT 18:00 [illegible]7 ON AUG 4

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 54 50 N
LONG 111 27 36 W
DRAINAGE AREA, 151 km²

B - ICE CONDITIONS

REGULATED SINCE 1976

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	0	JUL	9 490
FEB	0	AUG	10 000
MAR	79 5	SEP	900
APR	6 050	OCT	608
MAY	10 490	NOV	294
JUN	5 750	DEC	107

TOTAL DISCHARGE, 41 700 dam³

PORTER CREEK ABOVE BAPTISTE LAKE - STATION NO. 07BE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0298	0.0268	0.110	0.129	0.095	0.431	0.035	0.081	0.087	---	1
2	---	---	0.0298	0.0268	0.121	0.102	0.092	0.385	0.027	0.081	0.070	---	2
3	---	---	0.0298	0.0488	0.183	0.102	0.096	0.331	0.040	0.102	0.094A	---	3
4	---	---	0.0298	0.0618	0.189	0.097	0.090	0.382	0.036	0.107	---	---	4
5	---	---	0.0298	0.0678	0.149	0.094	0.086	0.330	0.035	0.110	---	---	5
6	---	---	0.0288	0.1008	0.147	0.088	0.077	0.294	0.030	0.107	---	---	6
7	---	---	0.0288	0.1208	0.145	0.084	0.076	0.282	0.034	0.122	---	---	7
8	---	---	0.0288	0.2048	0.150	0.080	0.074	0.218	0.033	0.127	---	---	8
9	---	---	0.0288	0.0948	0.155	0.075	0.083	0.191	0.033	0.120	---	---	9
10	---	---	0.0288	0.0928	0.178	0.073	0.080	0.172	0.032	0.112	---	---	10
11	---	---	0.0288	0.0908	0.175	0.079	0.077	0.153	0.033	0.107	---	---	11
12	---	---	0.0288	0.0878	0.178	0.077	0.088	0.135	0.033	0.106	---	---	12
13	---	---	0.0288	0.0858	0.169	0.073	0.089	0.122	0.033	0.101	---	---	13
14	---	---	0.0288	0.0828	0.170	0.072	0.315	0.113	0.033	0.097	---	---	14
15	---	---	0.0288	0.0808	0.162	0.070	0.880	0.102	0.034	0.096	---	---	15
16	---	---	0.0288	0.0848	0.152	0.068	1.56	0.097	0.034	0.093	---	---	16
17	---	---	0.0288	0.0908	0.142	0.065	3.81	0.091	0.032	0.090	---	---	17
18	---	---	0.0288	0.1008	0.140	0.065	9.46	0.084	0.032	0.087	---	---	18
19	---	---	0.0288	0.1038	0.135	0.138	8.22	0.077	0.031	0.084	---	---	19
20	---	---	0.0288	0.0968	0.118	0.129	6.79	0.070	0.030	0.082	---	---	20
21	---	---	0.0288	0.0868	0.105	0.126	4.78	0.064	0.031	0.079	---	---	21
22	---	---	0.0288	0.3478	0.206	0.127	3.06	0.059	0.030	0.078	---	---	22
23	---	---	0.0288	0.1068	0.195	0.130	1.88	0.056	0.030	0.076	---	---	23
24	---	---	0.0288	0.0638	0.197	0.137	1.42	0.051	0.031	0.070	---	---	24
25	---	---	0.0288	0.0578	0.217	0.129	1.19	0.046	0.029	0.069	---	---	25
26	---	---	0.0288	0.1228	0.233	0.122	1.01	0.045	0.040	0.068	---	---	26
27	---	---	0.0298	0.1398	0.240	0.113	0.886	0.043	0.055	0.066	---	---	27
28	---	---	0.0308	0.1428	0.236	0.108	0.781	0.040	0.063	0.070	---	---	28
29	---		0.0318	0.123	0.196	0.103	0.661	0.039	0.063	0.078	---	---	29
30	---		0.0328	0.126	0.165	0.102	0.567	0.036	0.061	0.078	---	---	30
31	---		0.0348		0.135		0.494	0.035		0.077	---	---	31
TOTAL	---	---	0.892	3.087	5.180	2.987	49.779	4.524	1.125	2.838	---	---	TOTAL
MEAN	---	---	0.029	0.103	0.167	0.099	1.61	0.145	0.038	0.091	---	---	MEAN
MAX	---	---	0.034	0.347	0.240	0.138	9.46	0.431	0.081	0.127	---	---	MAX
MIN	---	---	0.028	0.035	0.110	0.065	0.074	0.035	0.029	0.066	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.287
MAXIMUM DAILY, 9.46 ON JUL 18
MINIMUM DAILY, 0.0288 ON MAR 7
MAXIMUM INSTANTANEOUS,
10.1 AT 03:04 MST ON JUL 19

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 43 20 N
LONG 113 34 25 W
DRAINAGE AREA, 97.2 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	4 300
FEB	---	AUG	391
MAR	77.1	SEP	97.2
APR	267	OCT	246
MAY	448	NOV	---
JUN	256	DEC	---

TOTAL DISCHARGE, 8 050 dam³

REMARKS - THE EXTREMELY HIGH PEAK COULD HAVE BEEN AFFECTED FROM BACKWATER, DEBRIS, ETC.

POTHOLE CREEK AT RUSSELL'S RANCH - STATION NO. 05AE014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	0.1940	0.484	0.785	0.354	0.483	0.434	4.35	---	1
2	---	---	---	---	---	0.195	0.395	0.930	0.398	0.447	0.481	4.01	---	2
3	---	---	---	---	---	6.215	0.334	0.881	0.485	0.540	0.571	3.85	---	3
4	---	---	---	---	---	0.358	0.611	0.614	0.612	0.880	0.678	2.84	---	4
5	---	---	---	---	---	0.989	0.883	0.550	0.834	0.789	0.840	0.772	---	5
6	---	---	---	---	---	0.518	0.845	0.580	0.842	0.772	0.882	0.458	---	6
7	---	---	---	---	---	0.464	0.437	0.497	0.721	0.888	0.854	0.2438	---	7
8	---	---	---	---	---	0.384	0.391	0.408	0.727	0.704	0.740	0.1228	---	8
9	---	---	---	---	---	0.301	0.376	0.228	0.801	0.748	0.732	0.1068	---	9
10	---	---	---	---	---	0.287	0.339	0.103	0.838	0.784	0.733	0.0848	---	10
11	---	---	---	---	---	0.260	0.181	0.095	0.846	0.882	0.889	0.0848	---	11
12	---	---	---	---	---	0.189	0.233	0.104	0.808	0.814	0.848	0.0798	---	12
13	---	---	---	---	---	0.166	0.385	0.415	0.695	0.424	0.823	0.0788	---	13
14	---	---	---	---	---	0.170	0.189	0.840	0.785	0.345	0.832	0.0828	---	14
15	---	---	---	---	---	0.203	0.413	0.678	0.765	0.296	0.275	0.0888	---	15
16	---	---	---	---	---	0.268	0.917	0.840	0.784	0.383	0.282	0.0858	---	16
17	---	---	---	---	---	0.280	0.581	0.984	0.712	0.387	0.289	0.1038	---	17
18	---	---	---	---	---	0.234	0.381	1.07	0.646	0.440	1.40	0.1108	---	18
19	---	---	---	---	---	0.191	0.561	0.615	0.631	0.497	3.12	0.1208	---	19
20	---	---	---	---	---	0.182	0.580	0.571	0.557	0.581	2.20	0.1278	---	20
21	---	---	---	---	---	0.170	0.695	0.713	0.509	0.641	2.08	0.1358	---	21
22	---	---	---	---	---	0.225	0.332	0.642	0.411	0.586	1.86	0.1458	---	22
23	---	---	---	---	---	0.949	0.258	0.368	0.522	0.515	2.26	0.1588	---	23
24	---	---	---	---	---	0.511	0.313	0.348	0.501	0.520	3.09	0.1708	---	24
25	---	---	---	---	---	0.498	0.370	0.203	0.598	0.728	3.70	0.1808	---	25
26	---	---	---	---	---	0.418	0.358	0.343	0.501	0.928	4.98	0.1758	---	26
27	---	---	---	---	---	0.330	0.289	0.380	0.461	0.799	4.83	0.1708	---	27
28	---	---	---	---	---	0.255	0.464	0.395	0.452	0.571	4.57	0.1658	---	28
29	---	---	---	---	---	0.287	0.784	0.343	0.415	0.508	4.50	0.1608	---	29
30	---	---	---	---	---	0.681	0.807	0.400	0.491	0.518	4.53	0.1588	---	30
31	---	---	---	---	---	0.389		0.334	0.494		4.54		---	31
TOTAL	---	---	---	---	---	9.968	10.849	15.035	18.432	17.524	57.484	19.437	---	TOTAL
MEAN	---	---	---	---	---	0.321	0.422	0.517	0.595	0.584	1.85	0.648	---	MEAN
MAX	---	---	---	---	---	0.618	0.807	1.07	0.842	0.928	4.98	4.35	---	MAX
MIN	---	---	---	---	---	0.166	0.189	0.095	0.354	0.296	0.275	0.078	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.708
MAXIMUM DAILY, 4.98 ON OCT 26
MINIMUM DAILY, 0.0788 ON NOV 13

SUMMARY FOR THE MONTHS MAY TO NOV

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 52 N
LONG 112 49 40 W
DRAINAGE AREA, 772 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1919

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 380
FEB	---	AUG	1 590
MAR	---	SEP	1 510
APR	---	OCT	4 970
MAY	851	NOV	1 680
JUN	1 090	DEC	---

TOTAL DISCHARGE, 13 100 dam³

POTHOLE TURNOUT NEAR MACNATH - STATION NO. 05AE038

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	0								
2	---	---	---	0	0	0.317	0.681	0.795	0.461	0	0	---	1
3	---	---	---	0	0	0.387	0.744	0.788	0.437	0	0	---	2
4	---	---	---	0	0	0.401	0.807	0.772	0.418	0	0A	---	3
5	---	---	---	0	0	0.494	0.861	0.721	0.414	0	---	---	4
6	---	---	---			0.634	0.877	0.674	0.408	0	---	---	5
7	---	---	---	0	0								
8	---	---	---	0	0	0.427	0.890	0.638	0.387	0	---	---	6
9	---	---	---	0	0	0.480	0.908	0.605	0.359	0	---	---	7
10	---	---	---	0	0	0.436	0.894	0.588	0.343	0	---	---	8
11	---	---	---	0	0	0.439	0.867	0.570	0.353	0	---	---	9
12	---	---	---	0	0	0.438	0.884	0.552	0.320	0	---	---	10
13	---	---	---	0	0	0.438	0.803	0.533	0.308	0	---	---	11
14	---	---	---	0	0	0.443	0.781	0.478	0.300	0	---	---	12
15	---	---	---	0	0	0.511	0.778	0.445	0.294	0	---	---	13
16	---	---	---	0	0	0.588	0.779	0.397	0.296	0	---	---	14
17	---	---	---	0	0	0.582	0.798	0.382	0.295	0	---	---	15
18	---	---	---	0	0	0.522	0.845	0.343	0.292	0	---	---	16
19	---	---	---	0	0	0.520	0.849	0.292	0.294	0	---	---	17
20	---	---	---	0	0	0.482	0.828	0.272	0.301	0	---	---	18
21	---	---	---	0	0	0.457	0.787	0.246	0.302	0	---	---	19
22	---	---	---	0	0.087	0.601	0.789	0.237	0.293	0	---	---	20
23	---	---	---	0	0.310	0.589	0.734	0.278	0.288	0	---	---	21
24	---	---	---	0	0.330	0.608	0.787	0.312	0.282	0	---	---	22
25	---	---	0A	0	0.233	0.631	0.787	0.326	0.280	0	---	---	23
			0	0	0.141	0.735	0.787	0.353	0.262	0	---	---	24
26	---	---	---	0	0.131	0.778	0.831	0.390	0.287	0	---	---	25
27	---	---	0	0	0.119	0.804	0.858	0.402	0.246	0	---	---	26
28	---	---	0	0	0.171	0.838	0.847	0.426	0.132	0	---	---	27
29	---	---	0	0	0.187	0.845	0.802	0.448	0.020	0	---	---	28
30	---	---	0	0	0.280	0.815	0.787	0.450	0.010	0	---	---	29
31	---	---	0	0	0.280	0.720	0.784	0.474	0.004	0	---	---	30
			0		0.300		0.800	0.448		0	---	---	31
TOTAL	---	---	---	0	2.939	17.242	25.277	14.537	8.596	0	---	---	TOTAL
MEAN	---	---	---	0	0.094	0.575	0.815	0.472	0.280	0	---	---	MEAN
MAX	---	---	---	0	0.330	0.845	0.908	0.795	0.481	0	---	---	MAX
MIN	---	---	---	0	0	0.317	0.681	0.237	0.004	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.320
MAXIMUM DAILY, 0.908 ON JUL 7
MINIMUM DAILY, 0 ON APR 1

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 22 37 N
LONG 112 53 52 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 180
FEB	---	AUG	1 280
MAR	---	SEP	751
APR	0	OCT	0
MAY	224	NOV	---
JUN	1 490	DEC	---

TOTAL DISCHARGE, 5 910 dam³

PRAIRIE BLOOD COULEE NEAR LETHBRIDGE - STATION NO 05AD035

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.331	0.012	0.001	0	0	0	0	0	0	---	1
2	---	---	0.280	0.010	0.001	0	0	0	0	0	0	---	2
3	---	---	0.201	0.008	0.002	0	0	0	0	0	0	---	3
4	---	---	0.141	0.008	0.006	0.001	0	0	0	0	0A	---	4
5	---	---	0.122	0.007	0.005	0.002	0	0	0	0	---	---	5
6	---	---	0.088	0.006	0.004	0.001	0	0	0	0	---	---	6
7	---	---	0.080	0.005	0.004	0.001	0	0	0	0	---	---	7
8	---	---	0.065	0.005	0.004	0.001	0	0	0	0	---	---	8
9	---	---	0.058	0.005	0.004	0.001	0	0	0	0	---	---	9
10	---	---	0.049	0.005	0.004	0	0	0	0	0	---	---	10
11	---	---	0.046	0.005	0.004	0	0	0	0	0	---	---	11
12	---	---	0.043	0.005	0.003	0	0	0	0	0	---	---	12
13	---	---	0.035	0.004	0.003	0	0	0	0	0	---	---	13
14	---	---	0.027	0.004	0.003	0	0	0	0	0	---	---	14
15	---	---	0.025	0.004	0.004	0	0	0	0	0	---	---	15
16	---	---	0.025	0.004	0.003	0	0	0	0	0	---	---	16
17	---	---	0.022	0.004	0.003	0	0	0	0	0	---	---	17
18	---	---	0.017	0.003	0.002	0	0	0	0	0	---	---	18
19	---	---	0.039	0.003	0.002	0	0	0	0	0	---	---	19
20	---	---	0.045	0.003	0.002	0	0	0	0	0	---	---	20
21	---	---	0.051	0.003	0.002	0	0	0	0	0	---	---	21
22	---	---	0.055	0.003	0.004	0	0	0	0	0	---	---	22
23	---	---	0.044	0.003	0.004	0	0	0	0	0	---	---	23
24	---	---	0.033	0.003	0.003	0	0	0	0	0	---	---	24
25	---	---	0.024	0.003	0.002	0	0	0	0	0	---	---	25
26	---	---	0.021	0.003	0.001	0	0	0	0	0	---	---	26
27	---	0.823A	0.018	0.003	0.001	0	0	0	0	0	---	---	27
28	---	0.479	0.015	0.003	0.004	0	0	0	0	0	---	---	28
29	---		0.014	0.002	0.002	0	0	0	0	0	---	---	29
30	---		0.013	0.002	0.001	0	0	0	0	0	---	---	30
31	---		0.013		0		0	0		0		---	31
TOTAL	---	---	2.081	0.138	0.088	0.007	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.067	0.005	0.003	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.331	0.012	0.006	0.002	0	0	0	0	---	---	MAX
MIN	---	---	0.013	0.002	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.008
MAXIMUM DAILY, 0.331 ON MAR 1
MINIMUM DAILY, 0 ON MAY 31
MAXIMUM INSTANTANEOUS,
0.823 AT 12:05 MST ON FEB 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 50 N
LONG 112 57 32 W
DRAINAGE AREA, 227 km²
A - MANUAL GAUGE

NATURAL FLOW

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS THE SAME AS THE DISCHARGE MEASUREMENT

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	181	SEP	0
APR	11.9	OCT	0
MAY	7.50	NOV	---
JUN	0.60	DEC	---

TOTAL DISCHARGE, 201 dam³

PRAIRIE CREEK BELOW LICK CREEK - STATION NO 05DB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.5158	0.5158	0.865	3.25	7.86	4.18	1.34	5.24	1.48	---	1
2	---	---	0.5128	0.5258	0.833	3.04	5.62	3.84	1.29	4.88	1.51	---	2
3	---	---	0.5108	0.5358	0.886	2.84	4.60	3.71	1.78	4.43	1.88A	---	3
4	---	---	0.5088	0.5458	1.49	2.71	3.98	4.51	2.15	4.57	---	---	4
5	---	---	0.5038	0.5558	3.26	2.59	4.99	3.87	3.88	4.74	---	---	5
6	---	---	0.4878	0.5708	3.51	2.55	5.93	3.64	2.70	4.99	---	---	6
7	---	---	0.4948	0.5858	2.81	2.84	6.98	3.29	2.15	4.89	---	---	7
8	---	---	0.4908	0.6008	2.36	3.43	5.88	3.11	1.87	5.09	---	---	8
9	---	---	0.4858	0.5908	2.23	3.11	5.03	3.07	1.70	4.73	---	---	9
10	---	---	0.4808	0.5708	2.61	2.83	4.76	2.86	1.83	4.52	---	---	10
11	---	---	0.4758	0.5608	2.77	2.63	4.06	2.70	2.00	4.10	---	---	11
12	---	---	0.4708	0.5458	2.48	2.86	3.85	2.83	1.79	3.86	---	---	12
13	---	---	0.4858	0.5308	2.27	2.35	3.56	2.67	1.89	3.63	---	---	13
14	---	---	0.4808	0.5158	2.35	2.17	3.42	2.48	1.84	3.36	---	---	14
15	---	---	0.4558	0.5198	2.12	2.33	3.09	2.32	1.73	3.16	---	---	15
16	---	---	0.4538	0.5388	2.31	2.23	3.03	2.20	1.85	3.00	---	---	16
17	---	---	0.4518	0.5908	4.58	1.98	28.5	2.11	3.07	2.84	---	---	17
18	---	---	0.4508	0.634	7.90	1.85	36.3	2.02	3.20	2.68	---	---	18
19	---	---	0.4508	0.854	7.98	1.96	19.8	1.93	2.85	2.54	---	---	19
20	---	---	0.4518	0.863	6.99	1.89	13.7	1.88	2.32	2.43	---	---	20
21	---	---	0.4518	0.998	5.76	1.68	9.83	1.79	2.12	2.33	---	---	21
22	---	---	0.4528	1.03	8.09	1.51	8.58	1.70	1.87	2.22	---	---	22
23	---	---	0.4528	0.943	6.85	1.44	8.43	1.65	1.90	2.14	---	---	23
24	---	---	0.4538	0.795	5.52	1.37	7.24	1.70	1.82	2.07	---	---	24
25	---	---	0.4548	0.754	4.91	1.32	6.70	1.74	3.19	2.00	---	---	25
26	---	---	0.4608	0.939	4.61	1.33	6.52	1.61	6.50	1.96	---	---	26
27	---	---	0.4678	1.42	4.7	1.31	6.23	1.50	5.80	1.95	---	---	27
28	---	---	0.4758	1.26	4	1.44	5.43	1.43	5.15	1.89	---	---	28
29	---		0.4858	1.06	3.86	3.17	5.27	1.38	4.62	1.83	---	---	29
30	---		0.4958	0.954	3.62	14.3	5.20	1.35	4.62	1.75	---	---	30
31	---		0.5058		3.44		4.85	1.34		1.56		---	31
TOTAL	---	---	14.723	21.689	118.544	79.91	248.14	76.40	80.31	101.38	---	---	TOTAL
MEAN	---	---	0.475	0.723	3.82	2.66	8.04	2.48	2.68	3.27	---	---	MEAN
MAX	---	---	0.515	1.42	8.09	14.3	36.3	4.51	6.50	5.24	---	---	MAX
MIN	---	---	0.450	0.515	0.833	1.31	3.03	1.34	1.29	1.56	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.03
MAXIMUM DAILY, 36.3 ON JUL 18
MINIMUM DAILY, 0.450 ON MAR 18
MAXIMUM INSTANTANEOUS,
52.0 AT 21:52 MST ON JUL 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 15 10 N
LONG 115 17 30 W
DRAINAGE AREA, 208 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	21 600
FEB	---	AUG	8 800
MAR	1 270	SEP	8 040
APR	1 870	OCT	8 780
MAY	10 200	NOV	---
JUN	8 900	DEC	---

TOTAL DISCHARGE, 64 000 dam³

PRAIRIE CREEK NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 06BB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.088	2.038	2.258	4.088	3.23	8.24	30.9	13.0 E	9.08	17.4	8.48	5.108	1
2	2.068	2.038	2.428	4.018	2.88	7.72	21.9	12.2 E	8.15	16.0	7.96	4.988	2
3	2.048	2.038	2.558	3.818	2.89	7.24	16.7	11.7 E	8.63	15.4	7.778	4.888	3
4	2.028	2.028	2.758	3.638	3.27	6.81	13.8	12.0 E	8.02	14.8	7.278	4.788	4
5	2.008	2.018	2.918	3.348	5.36	6.59	13.0	11.5 E	10.4	14.6	7.198	4.888	5
6	1.988	2.008	2.438	3.008	8.81	6.36	15.3	11.2 E	11.3	14.2	7.138	4.588	6
7	1.998	1.988	2.258	2.838	9.37	6.44	16.7	10.8 E	9.83	14.1	7.068	4.488	7
8	2.008	1.988	2.768	2.618	8.09	7.85	17.9	10.6 E	8.37	13.9	6.978	4.378	8
9	2.018	1.948	2.878	2.728	7.06	9.26	16.2	10.3 E	7.80	14.0	6.908	4.268	9
10	2.018	1.918	2.558	2.798	7.36	8.22	14.5	10.1 E	7.15	13.5	6.848	4.188	10
11	2.018	1.888	2.748	2.708	7.99	7.33	13.7	9.90E	7.42	13.0	6.778	4.068	11
12	2.018	1.858	2.718	2.618	7.93	7.40	12.5	9.80E	8.17	12.3	6.708	3.958	12
13	2.028	1.828	2.848	2.288	7.10	7.20	11.8	9.40E	8.02	11.7	6.628	3.858	13
14	2.028	1.798	2.848	2.238	7.75	8.47	11.3	9.20E	7.82	11.2	6.568	3.768	14
15	2.028	1.768	2.898	2.328	7.81	8.44	11.1	9.00E	7.31	10.7	6.498	3.638	15
16	2.038	1.738	2.718	2.31	7.73	8.74	10.4	8.80E	7.29	10.3	6.428	3.528	16
17	2.038	1.718	2.698	2.25	8.49	8.36	27.1	8.80E	8.41	10.1	6.368	3.468	17
18	2.038	1.718	2.618	2.21	13.1	8.87	78.5	8.50E	16.7	9.81	6.288	3.418	18
19	2.038	1.708	2.868	2.25	17.7	8.61	104	8.40E	10.1	9.63	6.188	3.378	19
20	2.038	1.708	2.988	2.32	18.5	8.82	59.2	8.30E	9.02	9.31	6.108	3.338	20
21	2.038	1.708	3.228	2.57	16.5	8.74	38.7	8.20E	8.26	9.10	6.028	3.308	21
22	2.038	1.698	3.188	2.88	18.6	9.26	31.1A	8.10E	7.73	8.89	5.958	3.278	22
23	2.038	1.698	2.948	2.95	18.7	4.87	27.1E	8.00E	7.30	8.70	5.888	3.248	23
24	2.038	1.698	2.978	2.92	15.6	4.58	23.0E	7.90E	7.20	8.48	5.818	3.218	24
25	2.038	1.748	2.878	2.88	13.7	4.42	20.7E	7.70E	8.04	8.27	5.718	3.188	25
26	2.038	1.818	3.128	2.78	12.5	4.48	18.5E	7.38A	20.9	8.10	5.618	3.178	26
27	2.038	1.888	3.828	3.08	11.6	4.46	17.2E	6.95	26.0	8.03	5.518	3.158	27
28	2.038	1.978	4.008	4.01	10.7	4.44	16.0E	6.55	21.2	8.02	5.418	3.138	28
29	2.038		4.068	3.88	9.97	5.11	15.0E	6.23	18.1	7.82	5.318	3.118	29
30	2.038		4.108	3.63	9.26	15.0	14.4E	6.10	16.3	7.58	5.218	3.118	30
31	2.038		4.108		8.72		13.8E	6.11		7.47		3.108	31
TOTAL	62.76	51.72	91.70	87.30	310.17	198.22	750.0	281.81	306.35	349.51	191.64	117.52	TOTAL
MEAN	2.02	1.85	2.96	2.91	10.0	6.61	24.2	9.09	10.2	11.3	6.39	3.79	MEAN
MAX	2.08	2.03	4.10	4.08	18.7	15.0	104	13.0	26.0	18.0	7.96	5.10	MAX
MIN	1.99	1.69	2.25	2.21	2.89	4.42	10.4	6.10	6.08	7.47	5.21	3.10	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.67
MAXIMUM DAILY, 104 ON JUL 19
MINIMUM DAILY, 1.698 ON FEB 22
MAXIMUM INSTANTANEOUS,
113 AT 07:33 MST ON JUL 19

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 16 20 N
LONG 114 55 50 W
DRAINAGE AREA, 859 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	5 430	JUL	64 800
FEB	4 470	AUG	24 300
MAR	7 930	SEP	28 500
APR	7 540	OCT	30 200
MAY	26 800	NOV	16 400
JUN	17 100	DEC	10 200

TOTAL DISCHARGE, 242 000 dam³

PUNK CREEK NEAR THE MOUTH - STATION NO. 06AB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0078	0.0958	0.037	0.041	0.007	0.045E	0.009	0.009	0.0058	---	1
2	---	---	0.0078	0.0418	0.055	0.031	0.013	0.058E	0.009	0.009	0.0068	---	2
3	---	---	0.0078	0.0488	0.041	0.022	0.014	0.075E	0.007	0.009	0.0088	---	3
4	---	---	0.0068	0.1038	0.022	0.015	0.013	0.091E	0.008	0.010	---	---	4
5	---	---	0.0055	0.1458	0.022	0.012	0.020	0.105E	0.007	0.009	---	---	5
6	---	---	0.0048	0.1788	0.026	0.008	0.027	0.127E	0.007	0.007	---	---	6
7	---	---	0.0048	0.1728	0.029	0.004	0.021	0.122A	0.006	0.009	---	---	7
8	---	---	0.0048	0.1518	0.028	0.004	0.013	0.118	0.005	0.008	---	---	8
9	---	---	0.0048	0.1298	0.024	0.004	0.008	0.121	0.005	0.008	---	---	9
10	---	---	0.0048	0.0908	0.040	0.004	0.009	0.105	0.005	0.007	---	---	10
11	---	---	0.0048	0.0788	0.071	0.004	0.012	0.083	0.008	0.008	---	---	11
12	---	---	0.0048	0.0888	0.088	0.008	0.048	0.084	0.008	0.005	---	---	12
13	---	---	0.0048	0.0828	0.083	0.011	0.067	0.085	0.005	0.008	---	---	13
14	---	---	0.0048	0.0598	0.082	0.008	0.093	0.082	0.005	0.008	---	---	14
15	---	---	0.0048	0.0578	0.070	0.004	0.109	0.080	0.005	0.006	---	---	15
16	---	---	0.0048	0.0808	0.073	0.004	0.207	0.071	0.005	0.008	---	---	16
17	---	---	0.0048	0.0838	0.064	0.004	0.287	0.059	0.005	0.007	---	---	17
18	---	---	0.0048	0.1028	0.055	0.004	0.335	0.054	0.004	0.010	---	---	18
19	---	---	0.0048	0.094	0.048	0.007	0.189	0.048	0.005	0.013	---	---	19
20	---	---	0.0048	0.076	0.049	0.012	0.133	0.042	0.004	0.012	---	---	20
21	---	---	0.0068	0.073	0.047	0.030	0.103	0.037	0.004	0.012	---	---	21
22	---	---	0.0068	0.075	0.075	0.034	0.074	0.030	0.004	0.011	---	---	22
23	---	---	0.0068	0.085	0.108	0.035	0.05	0.025	0.004	0.010	---	---	23
24	---	---	0.0068	0.081	0.081	0.042	0.041	0.021	0.004	0.010	---	---	24
25	---	0.0078	0.0068	0.067	0.082	0.042	0.039	0.018	0.004	0.034	---	---	25
26	---	0.0078	0.0068	0.066	0.074	0.035	0.033	0.013	0.004	0.031	---	---	26
27	---	0.0078	0.0108	0.085	0.085	0.028	0.017	0.008	0.005	0.022	---	---	27
28	---	0.0078	0.0408	0.053	0.082	0.017	0.041	0.007	0.008	0.017	---	---	28
29	---		0.0508	0.059	0.055	0.009	0.039	0.008	0.007	0.0128	---	---	29
30	---		0.0748	0.055	0.056	0.009	0.040	0.008	0.008	0.0088	---	---	30
31	---		0.0888		0.049		0.040	0.008		0.0088		---	31
TOTAL	---	---	0.398	2.517	1.710	0.488	2.144	1.844	0.185	0.344	---	---	TOTAL
MEAN	---	---	0.013	0.084	0.055	0.016	0.069	0.059	0.006	0.011	---	---	MEAN
MAX	---	---	0.046	0.189	0.108	0.042	0.335	0.127	0.008	0.034	---	---	MAX
MIN	---	---	0.004	0.041	0.022	0.004	0.007	0.007	0.004	0.005	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.039
MAXIMUM DAILY, 0.335 ON JUL 18
MINIMUM DAILY, 0.0048 ON MAR 6
MAXIMUM INSTANTANEOUS,
0.378 AT 23:55 MST ON JUL 17

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 32 20 N
LONG 111 13 40 W
DRAINAGE AREA, 395 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	185
FEB	---	AUG	159
MAR	34.4	SEP	14.8
APR	217	OCT	28.7
MAY	148	NOV	---
JUN	42.2	DEC	---

TOTAL DISCHARGE, 830 dam³

RACEHORSE CREEK NEAR THE MOUTH - STATION NO 05AA027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	2.95A	3.00	25.5	3.63	0.881	0.682	1.21	0.6028	---	1
2	---	---	---	2.13	4.06	22.7	2.51	0.848	0.804	1.24	0.8928	---	2
3	---	---	---	1.97	6.46	18.7	2.65	0.821	0.674	1.16	0.8328	---	3
4	---	---	---	2.03	8.31	15.2	2.78	0.826	0.674	1.22	0.8018	---	4
5	---	---	---	2.18	7.85	13.5	2.62	0.870	0.689	1.35	---	---	5
6	---	---	---	2.40	7.46	13.0	2.36	0.852	0.850	1.56	---	---	6
7	---	---	---	2.78	6.92	12.3	2.17	0.810	0.809	1.53	---	---	7
8	---	---	---	3.55	7.05	11.4	2.11	0.837	0.593	1.62	---	---	8
9	---	---	---	4.87	7.19	10.3	2.10	0.885	0.703	1.49	---	---	9
10	---	---	---	5.42	7.20	9.33	1.97	0.792	0.693	1.42	---	---	10
11	---	---	---	4.86	6.81	8.74	1.86	0.801	0.782	1.34	---	---	11
12	---	---	---	3.688	6.31	7.82	1.89	0.795	0.734	1.27	---	---	12
13	---	---	---	3.648	6.34	6.80	1.77	0.792	0.674	1.21	---	---	13
14	---	---	---	3.608	5.76	6.45	1.80	0.745	0.658	1.18	---	---	14
15	---	---	---	3.37	5.35	6.94	1.52	0.689	0.624	1.16	---	---	15
16	---	---	---	3.33	5.24	8.98	1.53	0.665	0.635	1.12	---	---	16
17	---	---	---	3.31	5.59	8.38	1.58	0.664	0.635	1.09	---	---	17
18	---	---	---	3.26	6.40	8.49	1.47	0.632	0.655	1.04	---	---	18
19	---	---	---	3.34	9.47	8.27	1.36	0.617	0.673	0.973	---	---	19
20	---	---	---	4.12	14.2	4.53	1.30	0.609	0.684	0.960	---	---	20
21	---	---	---	6.49	25.7	4.11	1.28	0.604	0.645	0.921	---	---	21
22	---	---	---	19.3	22.8	3.74	1.23	0.588	0.624	0.861	---	---	22
23	---	---	---	13.6	15.6	3.57	1.23	0.574	0.618	0.837	---	---	23
24	---	---	---	8.51	13.8	3.58	1.23	0.568	0.685	0.800	---	---	24
25	---	---	---	6.72	17.1	3.44	1.22	0.558	0.832	0.775	---	---	25
26	---	---	---	5.78	26.6	3.26	1.20	0.555	1.18	0.785	---	---	26
27	---	---	---	5.29	33.8	3.04	1.19	0.528	1.11	0.917	---	---	27
28	---	---	---	4.92	40.0	2.92	1.12	0.532	0.999	0.938	---	---	28
29	---	---	---	4.65	36.7	3.28	1.01	0.495	0.923	0.838	---	---	29
30	---	---	---	4.13	31.1	2.90	0.949	0.883	1.01	0.894	---	---	30
31	---	---	---		28.1		0.899	0.822		0.8558	---	---	31
TOTAL	---	---	---	145.87	429.18	349.20	52.268	31.909	21.676	34.364	---	---	TOTAL
MEAN	---	---	---	4.86	13.8	8.31	1.69	0.707	0.723	1.11	---	---	MEAN
MAX	---	---	---	19.3	40.0	25.5	2.78	0.881	1.16	1.62	---	---	MAX
MIN	---	---	---	1.97	3.90	2.90	0.899	0.495	0.674	0.855	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.46
MAXIMUM DAILY, 40.0 ON MAY 28

MAXIMUM INSTANTANEOUS,
45.7 AT 23 40 MST ON MAY 28

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 50 18 N
LONG 114 25 06 W
DRAINAGE AREA, 217 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	4 520
FEB	---	AUG	1 890
MAR	---	SEP	1 870
APR	12 600	OCT	2 970
MAY	37 100	NOV	---
JUN	21 600	DEC	---

TOTAL DISCHARGE, 82 500 dam³

RAM RIVER NEAR THE MOUTH - STATION NO 05DC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.988	3.708	3.408	4.478	6.79	74.2	41.6E	36.3	14.1	21.2	13.8	9.858	1
2	3.888	3.708	3.448	4.518	6.75	69.0	40.0E	30.4	14.1	21.1	15.1	9.508	2
3	3.838	3.708	3.488	4.588	7.82	53.9	38.1A	24.4	14.5	20.7	15.4	9.108	3
4	3.808	3.698	3.528	4.648	10.1	45.0	34.4	24.8	15.2	21.4	14.9A	8.808	4
5	3.798	3.678	3.568	4.748	12.7	40.3	31.7	23.6	17.0	23.6	14.3E	8.008	5
6	3.788	3.658	3.608	4.858	13.2	41.2	42.0	23.3	15.8	33.8	13.9E	7.708	6
7	3.788	3.628	3.648	5.048	13.8	42.3	42.4	21.6	14.9	37.2	13.4B	7.458	7
8	3.788	3.598	3.688	5.35	15.0	43.6	40.3	20.8	14.5	39.6	12.9B	7.058	8
9	3.808	3.568	3.728	5.21	15.4	45.1	42.7	20.7	14.2	35.3	12.5B	6.758	9
10	3.828	3.528	3.768	7.88	14.2	39.3	39.7	19.8	14.1	32.2	12.3B	6.558	10
11	3.848	3.488	3.78P	5.83	15.7	40.6	34.6	19.3	15.8	29.3	12.1B	6.358	11
12	3.858	3.448	3.818	5.09	15.6	35.7	32.0	19.9	16.3	25.4	11.8B	6.158	12
13	3.858	3.408	3.858	5.74	14.7	31.3	31.0	20.5	15.5	23.7	11.6B	6.058	13
14	3.858	3.368	3.898	6.07	13.3	29.8	28.1	19.4	15.0	22.5	11.7B	5.978	14
15	3.858	3.328	3.928	6.06	11.6	28.1	25.7	18.4	14.6	21.7	11.6B	5.908	15
16	3.858	3.308	3.968	5.99	12.6	31.3	28.2	17.7	15.2	21.0	11.5B	5.848	16
17	3.858	3.298	3.998	5.87	17.4	27.5	108	17.1	16.7	20.4	11.4B	5.818	17
18	3.858	3.298	4.028	6.23	24.6	28.3	181	16.8	17.2	19.8	11.3B	5.798	18
19	3.858	3.298	4.068	6.32	47.1	30.8	193	16.1	16.6	19.3	11.3B	5.748	19
20	3.858	3.298	4.098	7.33	56.3	26.2	133	16.1	16.3	18.9	11.2B	5.778	20
21	3.848	3.298	4.128	8.85	63.6	23.5	111	15.5	16.0	18.5	11.2B	5.768	21
22	3.828	3.298	4.158	9.46	53.3	22.7	95.0	15.2	15.7	18.0	11.1B	5.758	22
23	3.808	3.298	4.148	8.53	48.5	22.4	86.5	14.8	15.5	17.6	11.0B	5.748	23
24	3.788	3.288	4.208	7.41	47.9	22.8	78.4	14.9	15.4	17.2	11.0B	5.738	24
25	3.768	3.308	4.228	7.47	49.7	23.6A	81.3	15.0	17.1	17.0	10.9B	5.728	25
26	3.748	3.318	4.258	7.87	81.6	32.0E	57.5	14.8	23.1	16.8	10.8B	5.718	26
27	3.738	3.338	4.288	7.98	120 A	21.0E	57.4	14.8	21.2	16.7	10.7B	5.718	27
28	3.728	3.368	4.318	7.69	131	30.0E	47.6	14.3	20.6	16.8	10.5B	5.708	28
29	3.728		4.358	7.35	121	30.0E	46.0	14.2	20.4	16.3	10.3B	5.708	29
30	3.718		4.388	7.17	98.1	41.5E	45.6	14.5	20.2	15.8	10.1B	5.698	30
31	3.718		4.438		85.7		39.9	14.5		15.2		5.698	31
TOTAL	118.05	96.32	122.04	195.15	1 257.18	1 080.8	1 885.9	589.1	492.1	692.3	381.9	202.85	TOTAL
MEAN	3.81	3.44	3.94	6.54	40.6	36.4	60.8	19.0	16.4	22.3	12.1	6.54	MEAN
MAX	3.86	3.70	4.43	9.46	131	74.2	181	36.3	23.1	39.6	15.4	9.85	MAX
MIN	3.71	3.29	3.40	4.47	5.75	20.0	25.7	14.2	14.1	15.2	10.1	5.69	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 19.4
MAXIMUM DAILY, 181 ON JUL 18
MINIMUM DAILY, 2.29B ON FEB 17
MAXIMUM INSTANTANEOUS,
218 AT 22 23 MST ON JUL 17

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 21 55 N
LONG 115 25 33 W
DRAINAGE AREA, 1 880 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	10 200	JUL	183 000
FEB	8 320	AUG	50 800
MAR	10 900	SEP	42 600
APR	16 900	OCT	59 600
MAY	108 000	NOV	31 300
JUN	91 600	DEC	17 500

TOTAL DISCHARGE, 812 000 dam³

RAT CREEK NEAR CYNTHIA - STATION NO 07BA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.632B	2.23 B	6.48	4.07	2.55	---	---	---	---	---	1
2	---	---	0.636B	1.78 B	6.42	3.86	2.53	---	---	---	---	---	2
3	---	---	0.602B	1.40 B	6.17	3.05	7.56	---	---	---	---	---	3
4	---	---	0.626B	1.28 B	6.25	2.86	2.68	---	---	---	---	---	4
5	---	---	0.594B	1.60 B	6.32	2.48	2.98	---	---	---	1.99A	---	5
6	---	---	0.568B	1.94 B	6.71	2.30	3.67	---	---	---	---	---	6
7	---	---	0.555B	2.15 B	8.08	2.19	3.59	---	---	---	---	---	7
8	---	---	0.459B	2.06 B	7.85	2.05	3.22A	---	---	---	---	---	8
9	---	---	0.485B	2.00 B	7.28	1.89	---	---	---	---	---	---	9
10	---	---	0.722B	1.90 B	7.20	1.71	---	---	---	---	---	---	10
11	---	---	1.20 B	1.55 B	6.73	1.58	---	---	---	---	---	---	11
12	---	---	0.638B	1.30 B	6.34	1.63	---	---	---	---	---	---	12
13	---	---	0.350B	0.850B	5.90	1.74	---	---	---	---	---	---	13
14	---	---	0.211B	0.700B	5.88	1.48	---	---	---	---	---	---	14
15	---	---	0.193B	0.720B	6.45	1.58	---	4.20A	---	---	---	---	15
16	---	---	0.278B	0.823B	8.57	2.08	---	---	2.37A	---	---	---	16
17	---	---	0.293B	1.14 B	10.6	2.61	---	---	---	---	---	---	17
18	---	---	0.425B	1.31 B	10.6	2.42	---	---	---	---	---	---	18
19	---	---	0.538B	1.43 B	9.80	2.49	---	---	---	---	---	---	19
20	---	---	0.501B	1.39 B	8.53	3.62	---	---	---	---	---	---	20
21	---	---	0.628B	1.47 B	8.24	4.27	---	---	---	---	---	---	21
22	---	---	0.701B	1.76	11.4	3.57	---	---	---	3.01A	---	---	22
23	---	---	1.01 B	2.07	13.7	3.07	---	---	---	---	---	---	23
24	---	---	1.11 B	2.74	13.3	2.78	---	---	---	---	---	---	24
25	---	---	1.11 B	2.92	11.4	2.58	---	---	---	---	---	---	25
26	---	---	0.837B	2.62	9.77	2.49	---	---	---	---	---	---	26
27	---	0.376B	0.758B	2.69	8.38	2.33	---	---	---	---	---	---	27
28	---	0.464B	0.901B	2.63	7.28	2.12	---	---	---	---	---	---	28
29	---	---	1.19 B	2.14	6.44	2.02	---	---	---	---	---	---	29
30	---	---	1.90 B	5.08	5.90	2.19	---	---	---	---	---	---	30
31	---	---	2.46 B		4.85		---	---	---	---	---	---	31
TOTAL	---	---	23.111	56.883	248.81	74.56	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.746	1.90	8.03	2.49	---	---	---	---	---	---	MEAN
MAX	---	---	2.46	5.08	13.7	4.27	---	---	---	---	---	---	MAX
MIN	---	---	0.193	0.700	4.85	1.48	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MINIMUM DAILY, 0.193B ON MAR 15
MAXIMUM INSTANTANEOUS,
580 IN JUL

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 08 17 N
LONG 115 29 17 W
DRAINAGE AREA, 806 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	2 000	SEP	---
APR	4 810	OCT	---
MAY	21 500	NOV	---
JUN	6 440	DEC	---

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS DERIVED FROM HIGH WATER MARKS TIME AND DATE UNKNOWN

RAVEN RIVER NEAR RAVEN - STATION NO 05CB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.21B	1.11B	5.20B	2.29B	1.52	1.62	4.73	4.11	2.36	10.2	2.89	1.83B	1
2	1.19B	1.11B	6.30B	2.09B	1.40	1.54	5.00	3.49	2.32	11.2	3.08	1.80B	2
3	1.17B	1.11B	7.25B	2.16B	1.42	1.45	3.76	3.14	2.52	10.6	3.12A	1.78B	3
4	1.16B	1.11B	6.38B	2.22B	1.67	1.37	3.19	2.94	2.79	8.70	3.09E	1.76B	4
5	1.15B	1.10B	4.28B	2.38B	2.43	1.37	3.06	2.86	3.42	7.21	3.04E	1.72B	5
6	1.14B	1.10B	3.10B	2.52B	3.70	1.40	3.14	2.98	3.54	6.21	2.97E	1.70B	6
7	1.15B	1.10B	1.10B	2.70B	4.03	1.39	3.47	2.84	3.24	5.38	2.88B	1.69B	7
8	1.17B	1.10B	1.05B	2.90B	3.50	1.45	3.56	2.81	2.93	5.24	2.79B	1.68B	8
9	1.19B	1.10B	1.21B	2.95E	3.93	1.68	3.42	2.73	2.67	4.81	2.70B	1.66B	9
10	1.20B	1.09B	1.55B	2.80E	4.15	1.74	3.17	2.65	2.52	4.55	2.60B	1.65B	10
11	1.21B	1.09B	1.77B	2.52E	4.54	1.70	3.14	2.56	2.50	4.24	2.52B	1.84B	11
12	1.21B	1.08B	2.00B	2.28E	3.99	1.62	3.35	2.52	2.58	4.12	2.44B	1.63B	12
13	1.21B	1.07B	2.20B	2.12E	3.38	1.57	3.16	2.89	2.70	3.85	2.36B	1.62B	13
14	1.21B	1.08B	2.28B	2.03E	3.84	1.56	2.95	2.88	2.72	3.69	2.28B	1.61B	14
15	1.21B	1.05B	2.30B	1.97E	4.21	1.66	2.88	2.72	2.73	3.58	2.22B	1.61B	15
16	1.20B	1.04B	2.29B	1.94E	5.77	1.78	2.91	2.52	2.78	3.46	2.18B	1.61B	16
17	1.20B	1.03B	2.26B	1.92E	10.5	1.81	4.54	2.42	2.80	3.36	2.10B	1.61B	17
18	1.20B	1.02B	2.05B	1.90E	10.0	1.70	16.9	2.34	3.19	3.21	2.05B	1.61B	18
19	1.20B	1.01B	2.10B	1.89E	8.82	1.73	26.6 A	2.29	3.70	3.16	2.02B	1.61B	19
20	1.19B	1.01B	2.21B	1.88E	7.19	1.79	20.0	2.25	3.29	3.13	2.00B	1.61B	20
21	1.18B	1.01B	2.44B	1.88A	5.59	1.87	8.93	2.21	2.83	3.19	1.98B	1.61B	21
22	1.17B	1.01B	2.58B	1.90	5.42	1.87	5.95	2.20	2.76	3.05	1.96B	1.61B	22
23	1.16B	1.01B	2.66B	1.84	5.35	1.54	4.90	2.17	2.63	2.98	1.94B	1.61B	23
24	1.15B	1.01B	2.07B	1.76	4.41	1.56	4.45	2.21	2.59	2.92	1.91B	1.61B	24
25	1.14B	1.09B	2.10B	1.82	3.53	1.80	4.00	2.27	3.14	2.87	1.90B	1.61B	25
26	1.13B	1.30B	2.09B	1.54	3.03	1.80	3.57	2.35	11.2	2.86	1.89B	1.60B	26
27	1.12B	1.80B	2.66B	1.65	2.61	1.89	3.73	2.28	17.1	2.84	1.88B	1.60B	27
28	1.12B	3.20B	3.02B	1.62	2.41	1.88	5.08	2.20	16.7	2.85	1.87B	1.60B	28
29	1.12B		3.09B	1.65	2.12	2.14	4.78	2.16	11.6	2.84	1.88B	1.60B	29
30	1.11B		2.87B	1.75	1.95	2.80	4.81	2.39	8.45	2.82	1.85B	1.60B	30
31	1.11B		2.71B		1.78		4.81	2.35		2.72		1.60B	31
TOTAL	36.28	33.02	87.27	62.85	129.27	50.40	177.92	80.63	135.48	141.94	70.15	51.07	TOTAL
MEAN	1.17	1.18	2.82	2.09	4.17	1.68	5.74	2.61	4.52	4.58	2.34	1.65	MEAN
MAX	1.21	3.20	7.25	2.95	10.5	2.80	26.6	4.11	17.1	11.2	3.12	1.83	MAX
MIN	1.11	1.01	1.05	1.54	1.40	1.37	2.88	2.16	2.33	2.72	1.85	1.60	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.89
MAXIMUM DAILY, 26.6A ON JUL 19
MINIMUM DAILY, 1.01B ON FEB 18
MAXIMUM INSTANTANEOUS,
28.7 AT 19:28 MST ON JUL 19

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 05 20 N
LONG 114 28 35 W
DRAINAGE AREA, 847 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 130	JUL	15 400
FEB	2 850	AUG	6 880
MAR	7 540	SEP	11 700
APR	5 410	OCT	12 300
MAY	11 200	NOV	6 080
JUN	4 350	DEC	4 410

TOTAL DISCHARGE, 91 300 dam³

RAY CREEK NEAR INNISFAIL - STATION NO. 0SCE010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.351B	0.047	0.008	0.003	0.004	0.007	0	0.134	0.012	---	1
2	---	---	0.384B	0.038	0.010	0.003	0.004	0.015	0	0.116	0.011	---	2
3	---	---	0.240B	0.034	0.008	0.003	0.004	0.011	0	0.079	0.013A	---	3
4	---	---	0.176B	0.031	0.008	0.003	0.004	0.007	0	0.068	---	---	4
5	---	---	0.113B	0.025	0.017	0.003	0.004	0.029	0	0.079	---	---	5
6	---	---	0.088B	0.024	0.021	0.002	0.004	0.079	0	0.084	---	---	6
7	---	---	0.125B	0.024	0.017	0.002	0.004	0.025	0.001	0.045	---	---	7
8	---	---	0.113B	0.018	0.027	0.002	0.005	0.005	0.003	0.031	---	---	8
9	---	---	0.088B	0.022	0.032	0.001	0.010	0.003	0.002	0.024	---	---	9
10	---	---	0.080B	0.014	0.028	0.001	0.018	0.003	0.002	0.020	---	---	10
11	---	---	0.070B	0.011	0.042	B	0.020	0.003	0.001	0.018	---	---	11
12	---	---	0.059B	0.009	0.034	0	0.028	0	0.003	0.014	---	---	12
13	---	---	0.098B	0.013	0.022	0	0.060	0	0.005	0.012	---	---	13
14	---	---	0.140B	0.011	0.005	0	0.034	0	0.005	0.018	---	---	14
15	---	---	0.150B	0.018	0.001	0	0.022	0	0.003	0.012	---	---	15
16	---	---	0.145B	0.018	0.324	0	0.012	0	0.004	0.008	---	---	16
17	---	---	0.140B	0.017	0.163	0	0.139	0	0.007	0.007	---	---	17
18	---	---	0.118B	0.015	0.309	0	1.27	0	0.011	0.007	---	---	18
19	---	---	0.090B	0.013	0.347	0	0.948	0	0.009	0.009	---	---	19
20	---	---	0.099B	0.011	0.291	0.001	0.557	0	0.007	0.015	---	---	20
21	---	---	0.130B	0.010	0.286	0.004	0.271	0	0.007	0.013	---	---	21
22	---	---	0.135B	0.013	0.236	0.003	0.102	0	0.006	0.009	---	---	22
23	---	---	0.103B	0.026	0.158	0.003	0.025	0	0.005	0.007	---	---	23
24	---	0 B	0.066	0.025	0.088	0.003	0.009	0	0.004	0.007	---	---	24
25	---	0.050B	0.070	0.021	0.044	0.003	0.008	0	0.022	0.015	---	---	25
26	---	0.160B	0.061	0.018	0.024	0.004	0.006	0	0.178	0.022	---	---	26
27	---	0.160B	0.071	0.013	0.013	0.004	0.005	0	0.798	0.021	---	---	27
28	---	0.387B	0.100	0.010	0.011	0.004	0.005	0	0.350	0.017	---	---	28
29	---		0.106	0.009	0.008	0.004	0.005	0	0.298	0.015	---	---	29
30	---		0.081	0.008	0.006	0.004	0.006	0	0.191	0.014	---	---	30
31	---		0.059		0.003		0.004	0		0.013		---	31
TOTAL	---	---	3.840	0.582	2.491	0.080	3.597	0.187	1.423	0.832	---	---	TOTAL
MEAN	---	---	0.124	0.019	0.080	0.002	0.116	0.006	0.047	0.030	---	---	MEAN
MAX	---	---	0.384	0.047	0.347	0.004	1.27	0.079	0.350	0.134	---	---	MAX
MIN	---	---	0.059	0.008	0.001	0	0.004	0	0	0.007	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.053
MAXIMUM DAILY, 1.27 ON JUL 18
MINIMUM DAILY, 0 ON JUN 11
MAXIMUM INSTANTANEOUS,
1.85 AT 05 58 MST ON JUL 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 00 03 N
LONG 113 35 55 W
DRAINAGE AREA, 42.5 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	311
FEB	---	AUG	16.2
MAR	332	SEP	123
APR	48.6	OCT	80.5
MAY	215	NOV	---
JUN	5.18	DEC	---

TOTAL DISCHARGE, 1 130 dam³

RED DEER RIVER ABOVE PANTHER RIVER - STATION NO. 0SCA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	2.45A	2.52	75.0	34.9	21.2	15.5	10.0	7.13	---	1
2	---	---	---	2.64	2.55	74.8	32.3	21.1	15.0	9.80	7.88	---	2
3	---	---	---	2.61	2.84	80.2	31.8	21.7	14.8	9.44	7.58	---	3
4	---	---	---	2.67	3.62	48.5	26.0	22.7	14.4	9.46	7.40	---	4
5	---	---	---	2.77	3.58	42.7	22.8	22.6	14.3	10.0	7.28A	---	5
6	---	---	---	2.81	3.51	40.1	20.0	21.9	12.5	12.2	---	---	6
7	---	---	---	2.84	3.53	42.5	19.2	21.3	11.4	13.2	---	---	7
8	---	---	---	3.02	3.70	49.6	18.3	21.5	10.8	12.7	---	---	8
9	---	---	---	3.22	3.95	42.9	20.2	21.0	10.5	12.4	---	---	9
10	---	---	---	3.12	4.34	38.5	21.3	20.6	10.5	12.1	---	---	10
11	---	---	---	2.74	4.46	43.0	21.3	21.3	10.8	11.4	---	---	11
12	---	---	---	2.43	4.35	37.2	20.9	24.3	10.4	11.1	---	---	12
13	---	---	---	2.59	4.26	33.8	21.1	24.5	9.82	10.9	---	---	13
14	---	---	---	2.54	4.08	31.0	19.5	24.0	9.34	10.6	---	---	14
15	---	---	---	2.41	3.87	41.8	20.2	23.1	9.08	10.4	---	---	15
16	---	---	---	2.37	3.85	34.5	22.9	20.3	9.13	10.2	---	---	16
17	---	---	---	2.36	4.41	30.7	37.5	18.1	10.6	10.1	---	---	17
18	---	---	---	2.37	5.40	34.9	36.7	17.4	10.2	9.89	---	---	18
19	---	---	---	2.38	7.72	38.[illegible]	38.5	17.6	9.88	9.67	---	---	19
20	---	---	---	2.44	11.8	31.[illegible]	43.0	16.1	9.85	9.48	---	---	20
21	---	---	---	2.57	14.8	25.9	41.2	15.2	9.58	9.34	---	---	21
22	---	---	---	2.94	11.5	23.1	37.4	15.0	9.34	9.13	---	---	22
23	---	---	---	2.72	10.4	23.6	38.8	15.0	9.38	8.92	---	---	23
24	---	---	---	2.47	10.8	29.5	36.2	15.0	9.48	8.85	---	---	24
25	---	---	---	2.51	16.0	32.8	33.1	14.4	10.9	8.70	---	---	25
26	---	---	---	2.52	41.7	30.0	32.1	14.0	12.1	8.58	---	---	26
27	---	---	---	2.51	71.0 A	26.9	31.3	14.2	11.5	8.65	---	---	27
28	---	---	---	2.53	85.6 A	28.1	28.2	14.8	10.9	8.68	---	---	28
29	---		---	2.51	95.9	35.5	27.0	15.4	10.5	8.27	---	---	29
30	---		---	2.50	88.4	43.1	24.3	15.4	10.2	8.21	---	---	30
31	---		---		80.8		21.5	15.5		7.89		---	31
TOTAL	---	---	---	78.53	514.41	1 168.1	878.8	591.6	332.77	310.07	---	---	TOTAL
MEAN	---	---	---	2.62	16.6	38.9	28.3	19.1	11.1	10.0	---	---	MEAN
MAX	---	---	---	3.22	95.9	75.0	43.0	24.5	15.5	13.2	---	---	MAX
MIN	---	---	---	2.36	3.52	23.1	19.2	14.0	9.08	7.89	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.5
MAXIMUM DAILY, 95.9 ON MAY 29
MINIMUM DAILY, 2.36 ON APR 17
MAXIMUM INSTANTANEOUS,
115 AT 01:55 MST ON MAY 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 39 33 N
LONG 115 24 23 W
DRAINAGE AREA, 941 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	75 800
FEB	---	AUG	51 100
MAR	---	SEP	28 800
APR	5 780	OCT	25 800
MAY	53 100	NOV	---
JUN	101 000	DEC	---

TOTAL DISCHARGE, 343 000 dam³

RED DEER RIVER AT DRUMHELLER - STATION NO 05CE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	15.28	15.98	26.68	45.7	24.5	202	72.0	180	46.5	180	55.3	21.88	1
2	14.58	16.48	29.08	47.3	23.8	189	119	142	59.5	163	57.2	20.18	2
3	13.78	16.58	43.78	51.0	26.4	186	145	108	61.0	134	55.2	22.38	3
4	13.38	17.78	51.28	59.7	30.8	195	143	95.8	55.7	147	55.1	23.28	4
5	13.08	17.58	52.28	47.6	32.6	185	142	92.4	47.5	148	53.7	20.48	5
6	13.28	15.58	52.28	47.8	34.0	162	139	90.8	48.3	149	49.5	18.88	6
7	13.48	14.68	34.38	36.2	32.4	128	136	86.5	51.4	143	48.4	20.28	7
8	15.38	14.28	28.48	31.1	32.2	124	94.8	89.9	51.8	138	51.28	18.88	8
9	16.48	15.08	27.98	29.9	39.6	119	90.3	93.4	52.1	133	42.08	18.08	9
10	16.78	13.78	38.18	28.3	40.3	117	77.3	91.2	52.1	128	35.08	17.28	10
11	20.28	14.38	40.38	27.5	40.2	124	70.9	89.0	51.2	124	29.08	17.38	11
12	20.18	15.48	35.28	27.5	38.4	132	72.1	83.5	47.7	120	28.08	17.78	12
13	20.28	16.28	72.38	26.9	38.7	129	71.2	86.5	46.3	118	23.68	18.28	13
14	18.88	16.38	32.78	25.7	42.8	115	72.1	82.8	44.0	115	21.78	19.08	14
15	17.08	15.68	30.98	24.5	51.9	98.0	80.7	82.6	36.6	112	21.28	18.08	15
16	18.58	15.08	30.38	25.6	60.3	92.7	78.3	74.5	35.5	99.2	21.08	18.88	16
17	18.38	15.98	30.38	24.5	71.4	88.9	36.9	78.4	36.1	93.2	20.88	18.08	17
18	17.98	14.38	33.88	24.1	98.9	91.5	146	76.3	36.6	86.3	21.08	17.58	18
19	17.48	10.38	36.98	23.2	153	90.7	457	85.7	44.9	81.9	21.28	17.38	19
20	17.98	13.68	43.08	22.0	214	90.8	647	54.3	66.7	80.8	21.58	17.18	20
21	18.88	14.78	44.88	21.3	258	87.9	584	50.7	79.9	74.7	22.58	17.08	21
22	18.08	15.58	45.98	21.2	285	87.0	508	49.5	78.0	70.9	23.58	17.28	22
23	17.38	17.88	45.78	21.9	267	80.1	445	48.9	59.6	70.2	40.38	17.48	23
24	15.58	18.68	44.08	23.3	259	86.9	371	49.2	56.9	67.3	44.08	17.88	24
25	13.78	19.98	43.88	24.4	231	80.1	329	49.2	86.6	58.7	30.18	18.08	25
26	14.78	24.08	44.18	25.6	191	54.0	280	48.4	90.7	58.4	31.28	18.08	26
27	15.58	25.08	46.68	25.1	166	57.3	228	46.3	172	58.0	29.58	17.78	27
28	15.68	27.88	50.08	24.7	153	70.7	195	47.6	307	57.8	26.88	17.48	28
29	16.78		70.08	24.3	185	74.9	206	48.0	240	57.4	25.78	17.68	29
30	17.68		52.08	24.8	204	64.5	193	42.8	213	57.2	24.58	17.38	30
31	17.48		43.28		205		185	36.7		58.4		18.48	31
TOTAL	518.5	465.0	1 271.5	912.9	3 584.5	3 383.0	6 474.7	2 306.9	2 384.9	3 138.1	1 028.8	572.9	TOTAL
MEAN	16.7	16.6	41.0	30.4	115	113	235	74.4	78.8	101	34.3	14.5	MEAN
MAX	20.2	27.5	70.0	59.7	285	202	647	180	307	180	57.2	23.2	MAX
MIN	13.0	10.3	26.6	21.2	23.8	54.0	70.9	36.7	35.5	58.4	20.8	17.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 71.3
MAXIMUM DAILY, 647 ON JUL 20
MINIMUM DAILY, 10.38 ON FEB 19
MAXIMUM INSTANTANEOUS,
709 AT 02 50 MST ON JUL 20

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 28 08 N
LONG 112 42 30 W
DRAINAGE AREA, 24 800 km²
B - ICE CONDITIONS
REGULATED SINCE 1983

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	44 800	JUL	559 000
FEB	40 500	AUG	199 000
MAR	110 000	SEP	204 000
APR	78 900	OCT	271 000
MAY	308 000	NOV	88 900
JUN	292 000	DEC	49 500

TOTAL DISCHARGE, 2 250 000 dam³

RED DEER RIVER AT RED DEER - STATION NO 05CC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	17.88	15.58	36.28	27.2	18.8	188	138	116	83.9	117	51.3	31.08	1
2	18.08	15.48	31.88	26.4	19.4	184	145	88.4	58.4	118	50.8	31.08	2
3	18.08	15.38	29.78	25.6	21.8	180	142	84.9	47.5	124	50.5	31.08	3
4	18.18	15.18	30.28	25.0	22.2	168	138	80.8	47.9	135	44.6	31.08	4
5	18.18	15.08	38.18	24.2	22.5	139	136	80.0	53.8	131	43.9	31.08	5
6	18.18	14.88	35.78	22.7	24.3	112	121	83.9	54.1	128	43.0	29.08	6
7	18.28	14.88	32.08	22.1	33.6	110	89.1	83.3	54.9	122	41.8	23.08	7
8	18.28	14.78	33.68	21.7	34.0	110	83.0	82.8	55.3	118	43.08	21.08	8
9	18.28	14.88	28.98	21.7	34.7	111	88.2	81.7	54.0	115	37.08	21.08	9
10	18.28	14.58	25.88	22.3	31.8	116	89.0	77.2	46.3	113	30.08	21.08	10
11	18.28	14.48	25.48	21.7	31.6	122	71.6	67.3	45.8	112	21.08	21.08	11
12	18.28	14.38	25.58	21.3	30.9	119	71.8	58.6	45.2	111	21.08	21.08	12
13	18.28	14.28	26.08	20.8	33.7	103	73.0	59.8A	34.3	109	21.08	21.08	13
14	18.28	14.18	24.78	20.1	36.8	88.4	90.3	88.3A	33.8	105	21.08	20.08	14
15	18.28	14.08	25.78	19.7	51.7	88.1	72.9	76.2A	33.7	93.2	21.08	20.08	15
16	18.28	13.88	25.78	19.5	55.1	85.2	74.3	78.0	34.8	91.2	21.08	19.08	16
17	18.28	13.88	27.38	19.7	75.7	85.7	143	71.3	42.8	82.7	23.08	19.08	17
18	18.28	13.78	27.28	19.4	85.3	84.7	405	54.3	81.5	81.7	32.08	19.08	18
19	18.28	13.68	26.48	19.3	143	85.3	498	46.5	83.5	79.1	38.08	19.08	19
20	18.28	15.38	25.78	19.2	184	82.4	388	46.2	85.7	71.5	40.08	19.08	20
21	18.18	18.18	25.58	19.6	233	83.2	386	44.4	70.3	70.5	40.08	18.88	21
22	18.08	18.08	26.08	20.2	228	86.0	350	44.1	80.5	70.3	35.08	18.88	22
23	17.88	19.88	26.58	21.9	217	58.7	307	43.8	59.7	58.5	32.08	18.58	23
24	17.68	20.18	27.08	21.7	182	50.4	278	43.7	86.8	57.8	31.08	18.78	24
25	17.48	23.08	27.08	20.6	158	51.9	238	43.9	80.0	55.2	31.08	18.88	25
26	17.28	23.58	27.78	20.0	140	83.0	183	44.0	212	53.8	31.08	19.08	26
27	17.08	29.88	28.4	19.4	150	74.7	163	44.5	300	54.0	31.08	19.08	27
28	16.48	48.58	26.8	19.5	179	68.1	169	39.7	224	53.6	31.08	19.08	28
29	15.88		27.1	19.1	188	66.2	185	31.7	182	53.3	31.08	19.08	29
30	15.88		28.9	18.7	191	84.8	162	38.0	128	53.0	31.08	19.08	30
31	15.68		28.3		189		153	59.6		52.7		19.08	31
TOTAL	549.8	432.0	876.9	640.7	3 077.9	3 027.9	5 552.2	1 981.6	2 400.2	2 780.2	1 018.9	575.6	TOTAL
MEAN	17.7	17.6	28.3	21.4	99.3	101	179	63.3	80.0	80.0	34.0	21.8	MEAN
MAX	18.2	48.5	38.1	27.2	233	188	498	116	300	135	51.3	31.0	MAX
MIN	15.6	13.6	24.7	18.7	18.8	50.4	68.2	31.7	33.7	52.7	21.0	18.5	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 83.2
MAXIMUM DAILY, 498 ON JUL 19
MINIMUM DAILY, 13.68 ON FEB 19
MAXIMUM INSTANTANEOUS,
808 AT 02 53 MST ON JUL 19

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 16 36 N
LONG 113 48 57 W
DRAINAGE AREA, 11 600 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1983

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	47 500	JUL	480 000
FEB	42 500	AUG	189 000
MAR	78 800	SEP	207 000
APR	55 400	OCT	241 000
MAY	266 000	NOV	88 000
JUN	262 000	DEC	58 400

TOTAL DISCHARGE, 1 890 000 dam³

RED DEER RIVER BELOW BURNT TIMBER CREEK - STATION NO 05CA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4 758	5 008	5 658	4 638	5 89	135	88 1	50 2	27 7	33 2	17 5	11 1 B	1
2	4 752	4 858	5 558	4 908	5 99	131	80 7	48 0	27 0	32 3	20 2	11 0 B	2
3	4 728	4 808	5 458	4 838	8 03	105	58 0	47 1	26 5	31 1	20 3	10 9 B	3
4	4 758	4 758	5 408	5 108	12 9	88 8	49 8	46 9	26 4	32 6	19 6	10 8 B	4
5	4 808	4 708	5 358	5 468	13 0	77 4	45 0	46 8	28 1	36 2	19 2	10 8 B	5
6	4 828	4 658	5 308	5 988	12 3	74 8	40 4	45 4	25 2	46 0	18 7	10 8 B	6
7	4 958	4 558	5 258	8 488	12 3	79 7	38 3	43 6	23 2	49 4	16 8	10 7 B	7
8	5 208	4 508	5 208	7 908	12 8	87 6	38 2	42 1	22 1	47 9	13 88	10 7 B	8
9	5 508	4 408	5 158	8 14	13 0	81 4	40 5	41 3	21 4	45 1	11 28	10 7 B	9
10	5 558	4 308	5 108	7 83	13 0	73 5	41 4	39 7	21 5	42 5	10 58	10 6 B	10
11	5 408	4 108	5 088	6 53	13 0	77 1	39 9	40 0	22 8	38 9	12 18	10 6 B	11
12	5 208	3 908	5 068	5 41	13 5	67 2	38 4	44 2	22 3	37 2	11 78	10 6 B	12
13	5 058	3 858	5 008	5 18	12 9	57 7	42 2	46 1	20 9	35 4	13 38	10 6 B	13
14	4 908	3 758	5 008	6 03	11 4	56 0	37 7	43 9	20 1	33 9	13 98	10 5 B	14
15	4 808	3 658	5 008	5 54	10 4	74 8	42 8	41 6	19 7	32 4	12 88	10 4 B	15
16	4 858	3 608	5 008	5 37	11 0	84 6	53 3	38 3	20 1	31 0	13 58	10 4 B	16
17	4 908	3 538	5 058	5 24	17 5	57 3	114	34 6	25 1	30 2	15 18	10 4 B	17
18	5 008	3 658	5 158	5 33	29 5	63 3	122	33 3	24 0	29 1	15 68	10 3 B	18
19	4 958	3 758	5 308	5 57	38 3	68 2	105	32 8	23 5	28 0	14 98	10 3 B	19
20	4 858	4 108	5 288	7 78	47 3	55 7	102	31 5	24 3	27 2	16 58	10 3 B	20
21	4 708	4 608	5 918	8 24	55 0	46 8	94 5	29 9	24 4	26 5	15 28	10 2 B	21
22	4 508	5 408	5 698	10 1	48 3	42 6	85 2	29 2	23 7	25 5	12 98	10 1 B	22
23	4 408	5 908	5 728	8 78	37 8	42 3	82 7	28 7	24 2	24 7	14 58	10 0 B	23
24	4 408	5 958	5 218	7 35	36 4	48 1	80 6	28 5	24 9	24 2	14 18	9 808	24
25	4 558	5 908	5 838	6 87	45 0	54 3	72 2	26 0	30 8	23 7	13 08	9 608	25
26	4 908	5 858	5 808	6 58	58 4 A	48 8	73 5	27 0	37 5	23 3	12 78	9 308	26
27	5 298	5 808	7 078	6 79	153 A	45 0	76 5	26 5	34 9	23 2	12 08	8 908	27
28	5 208	5 758	6 178	6 72	190 A	44 3	88 1	26 8	33 6	22 9	11 68	8 508	28
29	4 708		7 078	6 45	184	68 4	85 3	27 8	33 1	21 5	11 48	8 108	29
30	4 758		6 178	8 20	155	85 4	58 8	31 5	32 7	21 4	11 28	7 708	30
31	4 858		5 628		149		53 6	30 4		19 8		7 408	31
TOTAL	151 93	129 53	172 58	197 43	1 480 91	2 101 6	1 989 7	1 152 9	771 7	976 3	435 9	312 10	TOTAL
MEAN	4 90	4 63	5 57	6 58	47 8	70 1	64 2	37 2	25 7	31 5	14 5	10 1	MEAN
MAX	5 55	5 95	7 07	10 1	190	135	122	50 2	37 5	49 4	20 3	11 1	MAX
MIN	4 40	3 53	5 00	4 83	5 89	42 3	37 7	26 5	19 7	19 8	10 5	7 40	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 27.0
MAXIMUM DAILY, 190A ON MAY 28
MINIMUM DAILY, 3 538 ON FEB 17
MAXIMUM INSTANTANEOUS,
253 AT 03 20 MST ON MAY 29

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 39 02 N
LONG 115 01 00 W
DRAINAGE AREA, 2 250 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	13 100	JUL	172 000
FEB	11 200	AUG	99 600
MAR	14 900	SEP	66 700
APR	17 100	OCT	84 400
MAY	128 000	NOV	37 700
JUN	182 000	DEC	27 000

TOTAL DISCHARGE, 854 000 dam³

RED DEER RIVER NEAR BINDLOSS - STATION NO 05CK004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	13 08	14 18	17 88	80 5	26 9	189	79 3	215	80 1	283 E	65 2	18 78	1
2	13 58	14 18	17 88	54 8	26 0	198	87 4	187	59 3	243 A	64 1	18 38	2
3	14 18	14 08	18 48	51 6	25 9	194	82 8	191	52 2	214	63 8	18 08	3
4	14 18	13 98	18 58	46 2	26 3	193	78 5	180	48 8	188	63 6	17 78	4
5	14 18	13 58	19 59	46 1	27 9	190	109	153	36 2	182	62 2	17 28	5
6	14 88	13 58	22 98	48 2	28 9	187	142	131	31 9	153	62 0	16 98	6
7	15 68	13 18	31 68	54 1	30 3	191	146	119	32 4	158	62 1	17 08	7
8	16 38	12 88	35 78	54 2	32 8	178	145	114	37 1	157	46 08	17 18	8
9	15 58	13 48	59 68	47 2	35 1	159	142	110	41 1	154	32 08	17 38	9
10	15 28	12 98	76 88	44 6	37 5	136	138	107	40 2	147	22 58	17 58	10
11	15 38	12 28	71 18	37 3	37 6	135	116	104	39 0	140	19 58	17 78	11
12	14 78	11 78	65 78	34 3	37 5	123	106	107	38 4	135	18 18	17 88	12
13	14 68	11 38	62 38	32 8	41 3	123	98 0	108	38 0	129	17 78	18 08	13
14	14 88	11 58	70 88	32 0	43 1	127	87 2	104	37 1	124	17 68	18 08	14
15	16 08	11 18	67 98	30 9	46 1	134	83 3	99 0	38 8	121	17 58	17 98	15
16	16 28	11 88	63 28	30 2	51 5	130	85 4	90 7	40 4	117	17 68	17 88	16
17	16 08	12 88	60 38	29 6	55 0	122	84 8	81 7	42 0	114	17 78	17 48	17
18	14 58	13 18	60 28	28 8	56 1	113	90 1	78 4	46 6	111	17 68	17 28	18
19	14 68	13 58	60 48	28 2	74 4	110	98 7	83 8	50 4	102	17 98	17 08	19
20	16 08	13 88	58 78	28 5	80 2	100	119	89 0	50 9	96 5	18 38	16 98	20
21	16 28	13 98	85 28	27 8	104	88 4	281	88 5	48 9	90 8	19 28	16 78	21
22	16 88	12 08	70 88	26 9	170	101	513	81 0	51 2	85 8	21 88	16 88	22
23	16 98	12 58	71 8	27 2	225	100	498	71 0	70 7	85 4	23 08	17 08	23
24	17 08	12 58	64 4	26 4	270	98 5	452	66 8	86 4	81 4	26 18	17 48	24
25	17 18	14 08	58 9	25 8	270	96 3	417	64 5	107	76 4	26 98	18 08	25
26	16 48	17 58	58 5	25 3	260	92 4	386	63 8	146 A	75 6	21 48	18 28	26
27	16 88	17 68	55 3	25 5	245	81 2	332	62 7	170 E	73 6	19 78	18 38	27
28	17 18	16 08	54 2	25 7	215	75 4	298	62 6	210 E	88 9	19 68	18 78	28
29	16 58		56 3	25 7	181	67 8	263	62 1	253 E	84 8	19 28	19 08	29
30	15 58		57 5	25 8	162	67 7	226	60 6	308 E	85 0	18 98	19 38	30
31	14 78		62 8		186		209	60 0		85 3		19 68	31
TOTAL	480 1	373 9	1 635 1	1 085 3	3 108 4	3 909 7	5 974 6	3 203 8	2 322 1	3 878 5	939 1	550 4	TOTAL
MEAN	15 5	13 4	52 7	36 2	100	130	193	103	77 4	125	31 3	17 8	MEAN
MAX	17 1	17 8	76 8	80 5	270	198	513	215	308	283	85 2	19 6	MAX
MIN	13 0	11 1	17 8	25 3	25 9	67 7	78 6	60 0	31 9	84 8	17 6	15 7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 75.2
MAXIMUM DAILY, 513 ON JUL 22
MINIMUM DAILY, 11.1B ON FEB 15
MAXIMUM INSTANTANEOUS,
538 AT 15 45 MST ON JUL 22

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 54 10 N
LONG 110 17 50 W
DRAINAGE AREA, 44 700 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1908

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	41 500	JUL	516 000
FEB	32 300	AUG	277 000
MAR	141 000	SEP	201 000
APR	83 800	OCT	335 000
MAY	289 000	NOV	81 100
JUN	338 000	DEC	47 500

TOTAL DISCHARGE, 2 370 000 dam³

REDEARTH CREEK NEAR THE MOUTH - STATION NO 05BB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0 563	29 9	12 8	6 32	3 96	1 85	1 59	---	1
2	---	---	---	---	0 579	30 7	12.2	6 18	3 73	1 80	1 75	---	2
3	---	---	---	---	0 670	26 9	12 1	6 31	3 57	1 85	1 57A	---	3
4	---	---	---	---	0 779	22 8	10 1	6 56	3 43	1 82	---	---	4
5	---	---	---	---	0 776	22 4	8 72	6 99	3 63	1 81	---	---	5
6	---	---	---	---									
7	---	---	---	---	0 783	21 7	7 84	6 51	3 15	2 02	---	---	6
8	---	---	---	---	0 790	21 9	7 53	6 11	2 85	2 16	---	---	7
9	---	---	---	---	0 811	21 3	7 43	6 10	2 68	2 13	---	---	8
10	---	---	---	---	0 886	18 6	8 10	6 05	2 55	2 07	---	---	9
					0 906	18.5	8 23	5 83	2.50	2 01	---	---	10
11	---	---	---	---									
12	---	---	---	---	0 877	20 3	8 34	5 94	2 51	1 89	---	---	11
13	---	---	---	---	0 859	17 8	8 40	6 00	2 31	1 82	---	---	12
14	---	---	---	---	0 848	15 7	8 34	5 88	2 16	1 80	---	---	13
15	---	---	---	0 548A	0 821	15 4	7 98	5 65	2 04	1 76	---	---	14
				0 547	0 782	14 9	7 90	5 43	1 96	1 73	---	---	15
16	---	---	---										
17	---	---	---	0 551	0 773	15 6	7 41	4 84	1 96	1 69	---	---	16
18	---	---	---	0 531	0 822	15 5	8 88	4 40	1 90	1 65	---	---	17
19	---	---	---	0 526	1 01	18 1	9 11	4 17	1 79	1 63	---	---	18
20	---	---	---	0 526	1 53	22 5	9 38	4 08	1 71	1 59	---	---	19
				0 557	2 45	17 1	9 32	3 86	1 70	1 58	---	---	20
21	---	---	---										
22	---	---	---	0 610	3 30	13 4	9 17	3 67	1 85	1 56	---	---	21
23	---	---	---	0 734	3 37	11 9	8 98	3 56	1 58	1 53	---	---	22
24	---	---	---	0 727	3 20	11 5	9 63	3 50	1 54	1 52	---	---	23
25	---	---	---	0 689	3 39	14 6	9 40	3 41	1 53	1 49	---	---	24
				0 664	4 74	14 8	8 76	3 30	1 68	1 49	---	---	25
26	---	---	---										
27	---	---	---	0 637	8 70	13 2	9 07	3 20	1 86	1 50	---	---	26
28	---	---	---	0 624	15 8	11 9	8 88	3 17	1 83	2 11	---	---	27
29	---	---	---	0 608	23 9	11 0	8 16	3 29	1 73	2 00	---	---	28
30	---	---	---	0 585	28 7	13 3	8 18	3 86	1 86	1 86	---	---	29
31	---	---	---	0 574	30 1	14 4	7 39	4 41	1 81	1 87	---	---	30
					30 4		6 68	4 31		1 74		---	31
TOTAL	---	---	---	---	173 895	541 6	274 22	152 89	68 76	54 43	---	---	TOTAL
MEAN	---	---	---	---	5 61	18 1	8 85	4 93	2 29	1 75	---	---	MEAN
MAX	---	---	---	---	30 4	30 7	12 6	6 99	3 96	2 16	---	---	MAX
MIN	---	---	---	---	0 563	11 0	6 68	3 17	1 53	1 49	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6 88
MAXIMUM DAILY, 30 7 ON JUN 2
MINIMUM DAILY, 0 563 ON MAY 1
MAXIMUM INSTANTANEOUS,
33 0 AT 22 52 MST ON MAY 30

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 13 22 N
LONG 115 48 40 W
DRAINAGE AREA, 147 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	23 700
FEB	---	AUG	13 200
MAR	---	SEP	5 940
APR	---	OCT	4 700
MAY	15 000	NOV	---
JUN	46 800	DEC	---

TOTAL DISCHARGE 109 000 dam³

REDWATER RIVER NEAR THE MOUTH - STATION NO 05EC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 970B	8 438	1 33	0 092	0 033	1 61	0 080	0 031	---	---	1
2	---	---	0 860B	8 488	1 30	0 066	0 031	1 68	0 054	0 032	---	---	2
3	---	---	0 940B	8 648	1 25	0 041	0 029	1 55	0 047	0 033	---	---	3
4	---	---	0 910B	7 808	1 12	0 055	0 024	1 50	0 041	0 033	---	---	4
5	---	---	0 880B	6 308	1 02	0 059	0 022	1 48	0 038	0 036	---	---	5
6	---	---	0 840B	5.70	1 02	0 048	0 020	1 37	0 037	0 037	---	---	6
7	---	---	0 782B	5 12	0 925	0 039	0 020	1 31	0 035	0 039	---	---	7
8	---	---	0 583B	4 64	0 896	0 042	0 023	1 20	0 033	0 039	---	---	8
9	---	---	0 728B	4 33	0 855	0 038	0 046	1 09	0 031	0 041	---	---	9
10	---	---	0 878B	4 14	0 951	0 033	0 069	0 979	0 029	0 043	---	---	10
11	---	---	1 57 B	3 93	0 885	0 039	0 094	0 899	0 039	0 042	---	---	11
12	---	---	1 94 B	3 71	0 924	0 042	0 129	0 831	0 045	0 050	---	---	12
13	---	---	2 08 B	3 45	0 912	0 043	0 183	0 755	0 042	0 072	---	---	13
14	---	---	1 98 B	3 27	0 827	0 046	0 250	0 654	0 040	0 077	---	---	14
15	---	---	2 12 B	3 08	0 726	0 048	0 334	0 589	0 040	0 078	---	---	15
16	---	---	2 34 B	2 99	0 600	0 048	0 430	0 571	0 039	0 076	---	---	16
17	---	---	2 50 B	2 94	0 531	0 047	1 00	0 553	0 037	0 076	---	---	17
18	---	---	2 51 B	2 89	0 490	0 044	1 94	0 501	0 033	0 076	---	---	18
19	---	---	2 40 B	2 83	0 438	0 043	2 61	0 446	0 030	0 076	---	---	19
20	---	---	2 70 B	2 68	0 373	0 048	2 77	0 393	0 027	0 078	---	---	20
21	---	---	3 22 E	2 61	0 328	0 055	2 88	0 297	0 026	0 092	---	---	21
22	---	---	3 38 B	2 34	0 367	0 053	2 95	0 215	0 026	0 089	---	---	22
23	---	---	3 18 B	2 15	0 342	0 052	2 89	0 184	0 023	0 081	---	---	23
24	---	---	3 29 B	2 01	0 289	0 052	2 72	0 176	0 020	0 072	---	---	24
25	---	---	3 15 B	1 91	0 250	0 047	2 51	0 152	0 014	0 067	---	---	25
26	---	---	3 75 B	1 81	0 229	0 042	2 36	0 124	0 020	0 061	---	---	26
27	---	---	8 60 B	1 41	0 198	0 041	2 31	0 110	0 036	0 058	---	---	27
28	---	---	7 95 B	1 29	0 180	0 040	2 24	0 097	0 040	0 055	---	---	28
29	---		7 91 B	1 24	0 138	0 039	2 18	0 085	0 037	0 052	---	---	29
30	---		8 28 B	1 28	0 126	0 038	2 09	0 077	0 034	0 051A	---	---	30
31	---		8 47 B		0 111		1 97	0 089		0 050E		---	31
TOTAL	---	---	89 781	113 10	20.009	1.417	37.157	21.827	1.053	1.803	---	---	TOTAL
MEAN	---	---	2.80	3.77	0.645	0.047	1.20	0.704	0.035	0.058	---	---	MEAN
MAX	---	---	8 47	8 64	1.33	0.092	2.95	1.61	0.080	0.092	---	---	MAX
MIN	---	---	0.583	1 24	0.111	0.033	0.020	0.089	0.014	0.031	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.17
MAXIMUM DAILY, 8.648 ON APR 3
MINIMUM DAILY, 0.014 ON SEP 25

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 53 49 N
LONG 112 59 45 W
DRAINAGE AREA, 1 550 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	3 210
FEB	---	AUG	1 890
MAR	7 780	SEP	91 0
APR	9 770	OCT	156
MAY	1 730	NOV	---
JUN	122	DEC	---

TOTAL DISCHARGE, 24 700 dam³

REDWATER RIVER NEAR VIMY - STATION NO. 05EC007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	2.78	0.073	0.018	0.007	0.245	0.001	0.013	0.018	---	1
2	---	---	0 B	2.08	0.072	0.013	0.005	0.202	0.001	0.014	0.024	---	2
3	---	---	0.200B	1.74	0.068	0.010	0.006	0.191	0.001	0.014	0.044	---	3
4	---	---	3.58 B	1.80	0.073	0.007	0.004	0.183	0.001	0.016	0.077	---	4
5	---	---	5.25 B	1.26	0.084	0.141	0.003	0.197	0.001	0.018	0.094	---	5
6	---	---	4.85 B	0.980	0.069	0.284	0.001	0.197	0.001	0.018	0.134A	---	6
7	---	---	4.23 B	0.795	0.065	0.262	0.001	0.155	0.001	0.018	---	---	7
8	---	---	5.00 B	0.517	0.070	0.222	0.001	0.280	0.001	0.019	---	---	8
9	---	---	5.40 B	0.365	0.085	0.184	0.001	0.112	0.001	0.020	---	---	9
10	---	---	4.40 B	0.319	0.080	0.155	0.001	0.058	0.001	0.020	---	---	10
11	---	---	3.50 B	0.261	0.074	0.170	0.001	0.023	0.001	0.020	---	---	11
12	---	---	3.00 B	0.228	0.085	0.135	0.001	0.017	0.001	0.020	---	---	12
13	---	---	2.40 B	0.198	0.080	0.108	0.001	0.008	0.001	0.020	---	---	13
14	---	---	1.80 B	0.192	0.054	0.094	0.001	0.001	0.001	0.019	---	---	14
15	---	---	1.50 B	0.143	0.083	0.085	0.001	0.001	0.001	0.019	---	---	15
16	---	---	2.10 B	0.159	0.074	0.074	0.069	0.001	0.001	0.019	---	---	16
17	---	---	3.00 B	0.135	0.218	0.063	0.017	0.001	0.001	0.019	---	---	17
18	---	---	4.00 B	0.094	0.116	0.053	0.186	0.007	0.001	0.019	---	---	18
19	---	---	5.00 B	0.082	0.099	0.074	0.877	0.011	0.001	0.018	---	---	19
20	---	---	5.80 B	0.076	0.098	0.078	0.958	0.011	0.001	0.019	---	---	20
21	---	---	6.00 B	0.070	0.090	0.084	0.700	0.012	0.001	0.019	---	---	21
22	---	---	5.80 B	0.070	0.083	0.055	0.649	0.011	0.001	0.019	---	---	22
23	---	---	5.40 B	0.073	0.100	0.045	0.687	0.012	0.001	0.018	---	---	23
24	---	---	5.00 B	0.079	0.123	0.040	0.766	0.011	0.001	0.018	---	---	24
25	---	---	3.84 B	0.081	0.092	0.032	0.762	0.009	0.001	0.018	---	---	25
26	---	---	4.21 B	0.072	0.078	0.025	0.667	0.006	0.003	0.018	---	---	26
27	---	---	3.60 B	0.125	0.064	0.018	0.605	0.004	0.008	0.018	---	---	27
28	---	---	4.59 B	0.094	0.059	0.016	0.547	0.002	0.009	0.018	---	---	28
29	---		5.45 B	0.082	0.057	0.013	0.388	0.001	0.010	0.018	---	---	29
30	---		4.85	0.083	0.045	0.010	0.360	0.001	0.012	0.019	---	---	30
31	---		3.74		0.028		0.303	0.001		0.019		---	31
TOTAL	---	---	117.400	14.843	2.480	2.534	8.397	1.959	0.067	0.561	---	---	TOTAL
MEAN	---	---	3.79	0.488	0.080	0.084	0.271	0.064	0.002	0.018	---	---	MEAN
MAX	---	---	6.00	2.78	0.218	0.284	0.959	0.280	0.012	0.020	---	---	MAX
MIN	---	---	0	0.081	0.028	0.007	0.001	0.001	0.001	0.013	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.604
MAXIMUM DAILY, 6.00B ON MAR 21
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 05 38 N
LONG 113 33 59 W

A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	726
FEB	---	AUG	170
MAR	10 100	SEP	5.79
APR	1 270	OCT	48.5
MAY	214	NOV	---
JUN	219	DEC	---

TOTAL DISCHARGE, 12 800 dam³

REDWILLOW CREEK NEAR RED WILLOW - STATION NO. 05FC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.100B	0.362B	0.351	0.019	0.017	0.925	0.002	0.059	0.021	---	1
2	---	---	3.00 B	0.342B	0.338	0.021	0.018	0.755	0.002	0.077	0.030	---	2
3	---	---	3.20 B	0.275B	0.315	0.014	0.015	0.632	0.002	0.073	0.058	---	3
4	---	---	2.35 B	0.186B	0.325	0.008	0.015	0.452	0.002	0.105	0.031	---	4
5	---	---	1.65 B	0.128B	0.365	0.007	0.020	0.357	0.002	0.521	0.025	---	5
6	---	---	1.23 B	0.078	0.345	0.006	0.008	0.328	0.003	0.514	0.022A	---	6
7	---	---	1.15 B	0.060	0.327	0.005	0.002	0.287	0.002	0.427	---	---	7
8	---	---	0.880B	0.040	0.308	0.005	0.003	0.229	0.005	0.364	---	---	8
9	---	---	0.600B	0.020	0.274	0.005	0.007	0.139	0.008	0.338	---	---	9
10	---	---	0.410B	0.005	0.248	0.005	0.013	0.070	0.009	0.298	---	---	10
11	---	---	0.414B	0.004	0.238	0.005	0.014	0.090	0.024	0.247	---	---	11
12	---	---	0.431B	0.003	0.219	0.007	0.013	0.061	0.028	0.220	---	---	12
13	---	---	0.440B	0.003	0.105	0.008	0.010	0.028	0.019	0.174	---	---	13
14	---	---	0.392B	0.002	0.155	0.011	0.011	0.032	0.013	0.162	---	---	14
15	---	---	0.463B	0.002	0.262	0.014	0.012	0.044	0.009	0.110	---	---	15
16	---	---	0.512B	0.003	0.217	0.016	0.014	0.041	0.012	0.121	---	---	16
17	---	---	0.498B	0.005	0.158	0.018	0.038	0.032	0.013	0.128	---	---	17
18	---	---	0.515B	0.015	0.392	0.025	0.148	0.028	0.014	0.122	---	---	18
19	---	---	0.467B	0.005	0.517	0.026	0.091	0.022	0.012	0.084	---	---	19
20	---	---	0.518B	0.005	0.414	0.025	0.031	0.018	0.011	0.077	---	---	20
21	---	---	0.410B	0.005	0.350	0.019	0.078	0.021	0.015	0.064	---	---	21
22	---	---	0.463B	0.005	0.310	0.019	0.045	0.012	0.018	0.124	---	---	22
23	---	---	0.500B	0.010	0.253	0.024	0.043	0.003	0.018	0.127	---	---	23
24	---	---	0.510B	0.008	0.188	0.022	0.127	0.004	0.018	0.118	---	---	24
25	---	---	0.515B	0.004	0.128	0.020	0.091	0.004	0.028	0.088	---	---	25
26	---	---	0.509B	0.005	0.100	0.026	0.078	0.004	0.087	0.083	---	---	26
27	---	0.003B	0.419B	0.015	0.074	0.022	0.208	0.003	0.058	0.058	---	---	27
28	---	0.010B	0.384B	0.022	0.045	0.015	0.239	0.003	0.042	0.049	---	---	28
29	---		0.281B	0.028	0.041	0.014	0.259	0.003	0.042	0.032	---	---	29
30	---		0.382B	0.063	0.075	0.017	0.548	0.002	0.051	0.029	---	---	30
31	---		0.390B		0.037		0.855	0.002		0.026		---	31
TOTAL	---	---	23.881	1.712	7.680	0.450	3.489	4.632	0.545	5.025	---	---	TOTAL
MEAN	---	---	0.774	0.057	0.241	0.015	0.112	0.149	0.018	0.162	---	---	MEAN
MAX	---	---	3.20	0.362	0.517	0.026	0.948	0.925	0.087	0.521	---	---	MAX
MIN	---	---	0.100	0.002	0.037	0.005	0.002	0.002	0.002	0.026	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.193
MAXIMUM DAILY, 3.20B ON MAR 3
MINIMUM DAILY, 0.002 ON APR 14

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 31 18 N
LONG 112 23 13 W

A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	300
FEB	---	AUG	400
MAR	2 070	SEP	47.1
APR	148	OCT	434
MAY	646	NOV	---
JUN	38.9	DEC	---

TOTAL DISCHARGE, 4 080 dam³

REDWILLOW RIVER NEAR BEAVERLODGE - STATION NO. 07GD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.530B	0.310B	0.454B	5.96B	11.1	11.9	4.09	4.22	0.245	6.37	1.50 B	0.922B	1
2	0.461B	0.322B	0.560B	5.02B	10.1	10.9	3.89	3.86	0.249	7.68	1.85 B	0.847B	2
3	0.422B	0.322B	0.500E	4.54B	9.33	10.2 A	3.61	2.88	0.257	7.94	2.13 B	0.800B	3
4	0.378B	0.326B	0.990B	4.99B	9.36	9.00E	3.41	2.54	0.285	7.97	2.15 B	0.750B	4
5	0.370B	0.302B	0.560B	5.61B	13.7	8.20E	3.30	2.15	0.307	7.93	2.24 B	0.640B	5
6	0.362B	0.298B	0.454B	5.89B	18.8 A	7.35E	3.70	1.77	0.339	7.85	1.84 B	0.630B	6
7	0.342B	0.322B	0.362B	5.72B	22.3 E	6.60E	8.41	1.49	0.320	7.25	1.00 B	0.630B	7
8	0.354B	0.322B	0.454B	5.85B	24.8 E	5.70E	14.5	1.32	0.313	6.40	0.900B	0.649B	8
9	0.358B	0.322B	0.428B	6.31	25.4 E	4.78A	14.8	1.13	0.295	5.74	0.800B	0.581B	9
10	0.342B	0.318B	0.376B	6.41	24.8 E	4.40	13.1	1.00	0.297	5.34	0.800B	0.733B	10
11	0.330B	0.270B	0.314B	5.54	22.4 E	4.13	11.9	0.891	0.301	4.74	0.790B	0.827B	11
12	0.330B	0.242B	0.286B	5.30	20.9 E	4.23	10.8	0.810	0.305	4.32	0.860B	0.860B	12
13	0.322B	0.214B	0.227B	4.97	20.2 E	4.02	9.16	0.742	0.319	3.96	1.03 B	0.890B	13
14	0.366B	0.220B	0.265B	4.80	18.3 E	3.66	7.83	0.658	0.320	3.70	1.46 B	0.860B	14
15	0.370B	0.218B	0.324B	3.92	17.8 E	3.37	7.16	0.561	0.320	3.37	1.30 B	0.760B	15
16	0.358B	0.232B	0.381B	3.92	17.8 E	5.89	11.1	0.562	0.383	3.31	1.45 B	0.700B	16
17	0.322B	0.214B	0.566B	4.21	18.2 E	21.0	31.6	0.500	0.418	3.01	1.32 B	0.760B	17
18	0.318B	0.238B	0.831B	5.52	19.7 E	24.7	37.9	0.533	0.423	2.88	1.12 B	0.811B	18
19	0.314B	0.220B	0.806B	7.19	21.3 E	23.0	43.6	0.513	0.459	2.65	1.22 B	0.800B	19
20	0.338B	0.220B	1.30 B	6.81	23.0 E	20.2	39.5	0.513	0.502	2.57	1.36 B	0.740B	20
21	0.306B	0.220B	2.80 B	7.23	24.0 E	16.8	32.0	0.489	0.515	2.50	1.41 B	0.690B	21
22	0.298B	0.225B	4.09 B	8.87	24.6 E	14.0	24.3	0.449	0.534	2.36	1.41 B	0.640B	22
23	0.294B	0.230B	3.65 B	9.23	23.8 E	12.1	20.3	0.387	0.519	2.23	1.43 B	0.630B	23
24	0.328B	0.240B	3.25 B	8.97	21.9 E	11.4	22.2	0.398	0.555	2.15	1.47 B	0.610B	24
25	0.302B	0.270B	2.83 A	8.09	20.1 E	10.4	21.3	0.421	0.842	2.13	1.47 B	0.640B	25
26	0.342B	0.340B	5.61 B	7.26	18.2 E	8.76	17.1	0.402	0.856	2.11	1.86 B	0.700B	26
27	0.314B	0.430B	10.5 B	6.87	17.6 E	7.44	13.6	0.298	1.15	2.16	1.85 B	0.815B	27
28	0.310B	0.520B	8.74 B	6.91	18.2 A	6.25	10.8	0.273	2.50	2.12	1.39 B	0.770B	28
29	0.294B		7.18 B	6.18	15.3	5.46	8.41	0.261	3.40	2.13	1.12 B	0.740B	29
30	0.306B		5.80 B	10.8	14.1	4.68	6.51	0.256	4.91	1.84B	0.908B	0.720B	30
31	0.334B		5.27 B		12.9		5.05	0.247		1.49B		0.720B	31
TOTAL	10.711	7.925	71.658	191.59	577.89	290.84	464.84	32.334	22.229	128.20	41.448	22.865	TOTAL
MEAN	0.346	0.283	2.31	6.39	18.5	9.69	15.0	1.04	0.741	4.14	1.38	0.738	MEAN
MAX	0.530	0.520	10.5	10.8	25.4	24.7	43.6	4.22	4.91	7.97	2.24	0.922	MAX
MIN	0.294	0.214	0.227	3.52	9.33	3.37	3.30	0.247	0.245	1.49	0.790	0.581	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.10
MAXIMUM DAILY, 43.6 ON JUL 19
MINIMUM DAILY, 0.214B ON FEB 13
MAXIMUM INSTANTANEOUS,
44.8 AT 13:00 MST ON JUL 19

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 04 55 N
LONG 119 31 30 W
DRAINAGE AREA, 1 610 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	925	JUL	40 200
FEB	685	AUG	2 790
MAR	6 190	SEP	1 920
APR	16 600	OCT	11 100
MAY	49 900	NOV	3 580
JUN	25 100	DEC	1 980

TOTAL DISCHARGE 161 000 dam³

REESOR RESERVOIR NEAR ELKWATER - STATION NO. 11AB090

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	1226.275	---	---	---	---	---	1226.453	---	---	1
2	---	---	---	---	---	1226.306	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	1226.346	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	1226.258	---	---	---	---	---	---	---	6
7	---	---	1226.263	1226.257	---	---	---	---	---	1226.353	---	---	7
8	---	---	1226.265E	1226.255E	1226.259E	1226.312E	1226.423E	1226.440E	1226.426E	1226.307	---	---	8
9	---	---	---	---	---	1226.313	---	---	---	---	---	---	9
10	---	---	---	---	---	---	1226.437	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	1226.221	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	1226.435	---	---	---	17
18	---	---	1226.279	1226.238E	---	1226.319E	---	1226.427	1226.470E	---	---	---	18
19	---	---	1226.278E	---	1226.280E	---	1226.455E	1226.425E	---	1226.219E	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	1226.264E	---	---	---	---	1226.461	---	1226.539	---	---	---	22
23	---	---	---	---	---	---	1226.481	---	---	---	---	---	23
24	---	---	---	---	---	1226.322	---	---	1226.505	---	---	---	24
25	---	1226.265	---	---	---	---	---	---	1226.574	1226.217E	---	---	25
26	---	---	---	---	---	---	---	1226.411	---	---	---	---	26
27	---	---	---	---	---	---	---	---	1226.562	---	---	---	27
28	1226.255	1226.257E	---	1226.221	---	1226.351E	---	---	1226.532E	1226.216	---	---	28
29	---	---	1226.276E	---	1226.289E	---	1226.463E	1226.415E	1226.498	---	---	---	29
30	---	---	---	1226.229E	---	1226.386E	---	---	1226.478E	---	---	---	30
31	---	---	1226.276E	---	1226.303E	---	1226.481E	1226.417E	---	1226.218E	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 1226.574 ON SEP 25

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 39 40 N
LONG 110 05 44 W

E - ESTIMATED

REGULATED

DRAINAGE AREA,
3.55 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REITA CREEK NEAR OUTLET OF ANGLING LAKE - STATION NO. 06AD013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0858	0.1378	0.1398	0.0128	0.180	0.310	0.376	0.243	0.392	0.078	0.071	0.0968	1
2	0.0868	0.1388	0.1388	0.0098	0.178	0.302	0.378	0.261	0.382	0.078	0.075	0.0958	2
3	0.0888	0.1398	0.1028	0.0098	0.210	0.286	0.363	0.237	0.388	0.081	0.078	0.0948	3
4	0.0878	0.1388	0.0698	0.0158	0.244	0.308	0.338	0.251	0.390	0.081	0.081	0.0938	4
5	0.0878	0.1388	0.0628	0.0158	0.274	0.325	0.308	0.254	0.393	0.088	0.082	0.0938	5
6	0.0888	0.1388	0.0408	0.0158	0.272	0.375	0.272	0.267	0.390	0.084	0.083	0.0938	6
7	0.0888	0.1388	0.0358	0.0148	0.282	0.421	0.247	0.270	0.404	0.091	0.084	0.0928	7
8	0.0898	0.1388	0.0338	0.0188	0.282	0.447	0.235	0.271	0.397	0.085	0.0838	0.0918	8
9	0.0898	0.1388	0.0318	0.0178	0.292	0.470	0.215	0.302	0.401	0.097	0.0848	0.0898	9
10	0.0908	0.1388	0.0308	0.0178	0.298	0.478	0.200	0.298	0.400	0.090	0.0878	0.0888	10
11	0.0908	0.1388	0.0268	0.0398	0.302	0.475	0.187	0.304	0.400	0.085	0.0878	0.0888	11
12	0.0918	0.1388	0.0248	0.0498	0.304	0.458	0.178	0.315	0.400	0.072	0.0888	0.0888	12
13	0.0918	0.1398	0.0238	0.0508	0.307	0.439	0.181	0.338	0.395	0.088	0.0898	0.0878	13
14	0.0928	0.1388	0.0228	0.0498	0.318	0.424	0.182	0.585	0.400	0.082	0.0918	0.0878	14
15	0.0928	0.1388	0.0218	0.0538	0.346	0.402	0.141	0.584	0.385	0.089	0.0928	0.0868	15
16	0.0938	0.1398	0.0218	0.0638	0.342	0.381	0.125	0.587	0.386	0.087	0.0938	0.0858	16
17	0.0948	0.1398	0.0218	0.0678	0.337	0.371	0.118	0.541	0.398	0.085	0.0948	0.0858	17
18	0.0958	0.1398	0.0218	0.0738	0.330	0.356	0.103	0.522	0.398	0.086	0.0958	0.0858	18
19	0.0998	0.1398	0.0218	0.0768	0.335	0.362	0.095	0.497	0.398	0.088	0.0978	0.0848	19
20	0.1048	0.1398	0.0228	0.0628	0.334	0.320	0.096	0.484	0.378	0.080	0.0988	0.0838	20
21	0.1098	0.1398	0.0708	0.0848	0.323	0.286	0.100	0.470	0.301	0.082	0.1008	0.0838	21
22	0.1128	0.1398	0.0568	0.0868	0.318	0.255	0.300	0.462	0.200	0.084	0.1018	0.0828	22
23	0.1168	0.1398	0.0488	0.089	0.325	0.231	0.312	0.446	0.180	0.068	0.1018	0.0838	23
24	0.1208	0.1398	0.0368	0.090	0.336	0.221	0.257	0.428	0.150	0.072	0.1028	0.0848	24
25	0.1248	0.1398	0.0368	0.095	0.336	0.205	0.130	0.420	0.124	0.078	0.1018	0.0838	25
26	0.1268	0.1398	0.0518	0.097	0.334	0.187	0.110	0.414	0.110	0.085	0.1008	0.0828	26
27	0.1298	0.1398	0.0408	0.107	0.335	0.171	0.165	0.403	0.092	0.082	0.1008	0.0828	27
28	0.1318	0.1398	0.0568	0.120	0.335	0.163	0.177	0.401	0.085	0.085	0.0988	0.0828	28
29	0.1348		0.0378	0.134	0.335	0.236	0.188	0.398	0.082	0.084	0.0978	0.0818	29
30	0.1358		0.0278	0.143	0.330	0.345	0.227	0.399	0.080	0.077	0.0978	0.0828	30
31	0.1368		0.0178		0.323		0.235	0.403		0.072		0.0828	31
TOTAL	3.188	3.976	1.415	1.780	9.370	10.021	6.618	12.047	9.293	2.338	2.731	2.688	TOTAL
MEAN	0.103	0.132	0.046	0.060	0.302	0.334	0.213	0.389	0.310	0.075	0.091	0.087	MEAN
MAX	0.136	0.139	0.139	0.143	0.346	0.478	0.378	0.595	0.404	0.097	0.102	0.096	MAX
MIN	0.085	0.137	0.017	0.009	0.180	0.163	0.095	0.237	0.080	0.055	0.071	0.081	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.178
MAXIMUM DAILY, 0.595 ON AUG 14
MINIMUM DAILY, 0.0098 ON APR 2
MAXIMUM INSTANTANEOUS,
0.600 AT 21 20 MST ON AUG 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 13 45 N
LONG 110 19 45 W
DRAINAGE AREA, 181 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	275	JUL	572
FEB	330	AUG	1 040
MAR	122	SEP	803
APR	155	OCT	202
MAY	810	NOV	236
JUN	866	DEC	232

TOTAL DISCHARGE, 5 850 dam³

REMARKS - DUE TO EXTENSIVE BACKWATER FROM BEAVER ACTIVITY, THE MAXIMUM INSTANTANEOUS DISCHARGE WAS CONSIDERED ONLY A GOOD ESTIMATE

RENWICH CREEK NEAR THREE MILLS - STATION NO. 05CE011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.153A	0.010	0	0	0	0.001	0	0.031	0.002	---	1
2	---	---	0.150E	0.007	0	0	0	0	0	0.030	0.002	---	2
3	---	---	0.135A	0.005	0	0	0	0	0	0.020	0.002	---	3
4	---	---	0.101B	0.003	0	0	0	0	0	0.015	0.002A	---	4
5	---	---	0.058	0.003	0	0	0	0	0	0.017	---	---	5
6	---	---	0.033	0.002	0.001	0	0	0	0	0.015	---	---	6
7	---	---	0.011	0.002	0.001	0	0	0	0	0.014	---	---	7
8	---	---	0.010A	0.002	0	0	0	0	0	0.012	---	---	8
9	---	---	0.010E	0.002	0	0	0	0	0	0.010	---	---	9
10	---	---	0.006A	0.002	0.001	0	0	0	0	0.006	---	---	10
11	---	---	0.013E	0.002	0.002	0	0	0	0	0.006	---	---	11
12	---	---	0.020E	0.002	0.002	0	0	0	0	0.005	---	---	12
13	---	---	0.018A	0.001	0.002	0	0	0	0	0.005	---	---	13
14	---	---	0.017	0	0.014	0	0	0	0	0.005	---	---	14
15	---	---	0.024	0	0.117	0	0	0	0	0.005	---	---	15
16	---	---	0.020	0	0.220	0	0	0	0	0.005	---	---	16
17	---	---	0.016	0	0.374	0	0	0	0	0.004	---	---	17
18	---	---	0.013	0	0.172	0	0.033	0	0	0.003	---	---	18
19	---	---	0.013	0	0.127	0	0.306	0	0	0.003	---	---	19
20	---	---	0.013	0	0.091	0	0.184	0	0	0.003	---	---	20
21	---	---	0.015	0	0.065	0	0.100	0	0	0.003	---	---	21
22	---	---	0.017	0	0.053	0	0.044	0	0	0.003	---	---	22
23	---	---	0.021	0	0.043	0	0.018	0	0	0.003	---	---	23
24	---	---	0.016	0	0.032	0	0.005	0	0	0.003	---	---	24
25	---	1.84 B	0.014	0	0.021	0	0.002	0	0	0.003	---	---	25
26	---	0.8388	0.012	0	0.012	0	0.001	0	0.035	0.003	---	---	26
27	---	0.3068	0.009	0	0.006	0	0.001	0	0.284	0.003	---	---	27
28	---	0.225	0.007	0	0.003	0	0.001	0	0.181	0.003	---	---	28
29	---		0.007	0	0.002	0	0.001	0	0.100	0.002	---	---	29
30	---		0.012	0	0	0	0.002	0	0.053	0.002	---	---	30
31	---		0.013		0		0.002	0		0.002		---	31
TOTAL	---	---	0.585	0.062	1.361	0	0.706	0.001	0.633	0.247	---	---	TOTAL
MEAN	---	---	0.032	0.001	0.044	0	0.023	0	0.021	0.006	---	---	MEAN
MAX	---	---	0.150	0.010	0.374	0	0.306	0.001	0.284	0.031	---	---	MAX
MIN	---	---	0.006	0	0	0	0	0	0	0.002	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.018
MAXIMUM DAILY, 0.374 ON MAY 17
MINIMUM DAILY, 0 ON APR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 43 01 N
LONG 113 21 47 W
DRAINAGE AREA, 57.2 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	51.3
FEB	---	AUG	0.09
MAR	85.1	SEP	54.7
APR	3.72	OCT	21.3
MAY	118	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 344 dam³

RIBSTONE CREEK NEAR CZAR - STATION NO. 05FD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.2060	0.237	0.107	0.010	0.014	0.081	0.018	0.036	0.003	---	1
2	---	---	0.2050	0.216	0.104	0.010	0.010	0.089	0.017	0.032	0.003	---	2
3	---	---	0.1700	0.230	0.105	0.013	0.007	0.100	0.015	0.026	0.004	---	3
4	---	---	0.1100	0.243	0.100	0.008	0.006	0.084	0.014	0.045	0.013	---	4
5	---	---	0.0859	0.243	0.096	0.008	0.005	0.075	0.015	0.047	0.0194	---	5
6	---	---	0.0508	0.242	0.091	0.015	0.006	0.070	0.013	0.042	---	---	6
7	---	---	0.0308	0.244	0.084	0.016	0.003	0.058	0.011	0.034	---	---	7
8	---	---	0.0208	0.243	0.074	0.014	0.001	0.057	0.010	0.027	---	---	8
9	---	---	0.0208	0.209	0.085	0.015	0.003	0.051	0.010	0.021	---	---	9
10	---	---	0.0208	0.214	0.080	0.013	0.008	0.047	0.008	0.016	---	---	10
11	---	---	0.0168	0.208	0.087	0.008	0.007	0.043	0.014	0.013	---	---	11
12	---	---	0.0408	0.194	0.083	0.004	0.008	0.039	0.024	0.018	---	---	12
13	---	---	0.1008	0.202	0.069	0.003	0.004	0.032	0.022	0.045	---	---	13
14	---	---	0.1408	0.211	0.065	0.002	0.004	0.028	0.020	0.063	---	---	14
15	---	---	0.1508	0.214	0.060	0.001	0.004	0.023	0.018	0.059	---	---	15
16	---	---	0.1808	0.228	0.046	0.001	0.003	0.021	0.018	0.045	---	---	16
17	---	---	0.1508	0.228	0.044	0.002	0.015	0.019	0.017	0.032	---	---	17
18	---	---	0.1308	0.201	0.042	0.008	0.022	0.018	0.015	0.020	---	---	18
19	---	---	0.0908	0.181	0.044	0.016	0.021	0.019	0.013	0.015	---	---	19
20	---	---	0.0808	0.178	0.045	0.007	0.022	0.018	0.010	0.010	---	---	20
21	---	---	0.0608	0.161	0.043	0.006	0.022	0.015	0.008	0.009	---	---	21
22	---	---	0.0608	0.148	0.042	0.002	0.021	0.014	0.008	0.006	---	---	22
23	---	---	0.0498	0.139	0.039	0.002	0.024	0.017	0.002	0.005	---	---	23
24	---	---	0.0688	0.131	0.034	0.002	0.021	0.024	0.002	0.005	---	---	24
25	---	0 B	0.0848	0.122	0.030	0.017	0.016	0.030	0.001	0.005	---	---	25
26	---	0.0508	0.0998	0.110	0.026	0.029	0.012	0.031	0.023	0.005	---	---	26
27	---	0.1108	0.1508	0.105	0.026	0.025	0.013	0.029	0.031	0.009	---	---	27
28	---	0.2008	0.238	0.115	0.024	0.025	0.011	0.026	0.035	0.012	---	---	28
29	---		0.334	0.116	0.020	0.021	0.028	0.023	0.039	0.010	---	---	29
30	---		0.325	0.112	0.019	0.019	0.052	0.021	0.040	0.006	---	---	30
31	---		0.272		0.020		0.067	0.020		0.003		---	31
TOTAL	---	---	3.705	5.841	1.884	0.338	0.457	1.210	0.489	0.730	---	---	TOTAL
MEAN	---	---	0.120	0.188	0.054	0.011	0.015	0.039	0.016	0.024	---	---	MEAN
MAX	---	---	0.334	0.244	0.107	0.029	0.067	0.090	0.040	0.063	---	---	MAX
MIN	---	---	0.018	0.112	0.019	0.001	0.001	0.014	0.001	0.003	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.058
MAXIMUM DAILY, 0.334 ON MAR 29
MINIMUM DAILY, 0.001 ON JUN 15
MAXIMUM INSTANTANEOUS,
0.353 AT 23 41 MST ON MAR 29

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 29 17 N
LONG 110 44 15 W
DRAINAGE AREA, 1 830 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	39 5
FEB	---	AUG	105
MAR	320	SEP	42 2
APR	487	OCT	63 1
MAY	165	NOV	---
JUN	29 2	DEC	---

TOTAL DISCHARGE, 1 230 dam³

RIBSTONE CREEK NEAR EDGERTON - STATION NO 05FD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0100	0.0808	0.007E	0.261	0.348	0.751	0.091	0.121E	0.0908	---	1
2	---	---	0.0178	0.0238	0.007	0.159	0.674	0.623	0.072	0.122	0.080E	---	2
3	---	---	0.0108	0.0198	0.007	0.150E	1.10 E	0.553	0.055	0.121	0.070E	---	3
4	---	---	0.0138	0.0198	0.003	0.153E	1.53	0.550	0.040E	0.122	0.052	---	4
5	---	---	0.0188	0.0158	0.005E	0.156	0.818	0.540E	0.017	0.123	---	---	5
6	---	---	0.0108	0.0058	0.007	0.583	0.787	0.513	0.011	0.118E	---	---	6
7	---	---	0.0048	0.0058	0.010E	0.582	0.970E	0.483	0.020E	0.113	---	---	7
8	---	---	0.0028	0.0058	0.013	0.500E	1.14	0.535	0.029	0.117	---	---	8
9	---	---	0.0038	0 B	0.025E	0.400E	1.01	0.503	0.040	0.111	---	---	9
10	---	---	0.0038	0 B	0.029	0.300E	0.953	0.474	0.040E	0.093	---	---	10
11	---	---	0.0038	0 B	0.012	0.201	0.930E	0.304	0.039	0.103E	---	---	11
12	---	---	0.0018	0 B	0.012	0.157	0.907	0.330E	0.054	0.108	---	---	12
13	---	---	0.0058	0 B	0.013	0.190	0.808	0.365	0.085	0.103	---	---	13
14	---	---	0.0058	0.0028	0.010E	0.158	0.790E	0.357	0.085	0.103	---	---	14
15	---	---	0.1308	0.0038	0.005E	0.167	0.671	0.350E	0.076	0.105E	---	---	15
16	---	---	0.1888	0.0048	0.257	0.200	0.859	0.306	0.101	0.108	---	---	16
17	---	---	0.0848	0.006	0.284	0.478	0.820E	0.310	0.098E	0.108	---	---	17
18	---	---	0.1508	0.008	0.284	0.304	0.784	0.295	0.085E	0.108E	---	---	18
19	---	---	0.1478	0.010	0.298E	0.207	0.730	0.250E	0.082E	0.108	---	---	19
20	---	---	0.1068	0.012	0.331	0.248	0.681	0.195	0.080E	0.093	---	---	20
21	---	---	0.2508	0.014	0.484	0.544	0.650E	0.185E	0.088E	0.124	---	---	21
22	---	---	0.3708	0.018	0.570	0.748	0.634	0.174	0.083E	0.108	---	---	22
23	---	---	0.3158	0.013	0.590E	0.415	0.630E	0.163	0.082E	0.108	---	---	23
24	---	---	0.1308	0.008	0.780E	0.558	0.580E	0.141	0.081	0.119	---	---	24
25	---	---	0.1358	0.008	1.23	0.414	0.488	0.110	0.071	0.119	---	---	25
26	---	0 B	0.1438	0.008	0.823	0.402	0.495	0.091	0.134	0.125E	---	---	26
27	---	0 B	0.1508	0.007	0.602	0.370	0.548	0.110E	0.122E	0.129	---	---	27
28	---	0.0048	0.1728	0.007	0.635	0.380E	0.650E	0.137	0.131E	0.120E	---	---	28
29	---		0.2228	0.007	0.770	0.350	0.721	0.128	0.130	0.110E	---	---	29
30	---		0.2628	0.007	0.820E	0.359	0.783	0.110E	0.120	0.100E	---	---	30
31	---		0.1878		0.485		0.761	0.100E		0.095B	---	---	31
TOTAL	---	---	3.423	0.291	8.824	10.092	24.237	10.040	2.308	3.474	---	---	TOTAL
MEAN	---	---	0.110	0.010	0.285	0.336	0.782	0.324	0.077	0.112	---	---	MEAN
MAX	---	---	0.370	0.030	1.23	0.748	1.53	0.761	0.134	0.129	---	---	MAX
MIN	---	---	0.002	0	0.003	0.150	0.248	0.091	0.011	0.085	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.255
MAXIMUM DAILY, 1.53 ON JUL 4
MINIMUM DAILY, 0B ON APR 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 45 18 N
LONG 110 29 00 W
DRAINAGE AREA, 3 130 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 080
FEB	---	AUG	887
MAR	286	SEP	188
APR	25.1	OCT	300
MAY	782	NOV	---
JUN	872	DEC	---

TOTAL DISCHARGE, 5 410 dam³

RIDSTONE CREEK TRIBUTARY NEAR CORONATION - STATION NO. 07FD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1258	0.010	0	0	0	0.038	0	0	0.007	---	1
2	---	---	0.2128	0.012	0	0	0	0.025	0	0	0.005	---	2
3	---	---	0.1748	0.007	0	0	0	0.017	0	0	0.004	---	3
4	---	---	0.1038	0.001	0	0	0	0.013	0	0	0.003	---	4
5	---	---	0.1548	0	0	0	0	0.010	0	0	0.0028	---	5
6	---	---	0.0908	0	0	0	0	0.008	0	0.001	---	---	6
7	---	---	0.0608	0	0	0	0	0.005	0	0.005	---	---	7
8	---	---	0.0368	0	0	0	0	0.005	0	0.014	---	---	8
9	---	---	0.0108	0	0	0	0	0.005	0	0.024	---	---	9
10	---	---	0.0238	0	0	0	0	0.005	0	0.030	---	---	10
11	---	---	0.0408	0	0	0	0	0.004	0	0.034	---	---	11
12	---	---	0.0778	0	0	0	0	0.003	0	0.035	---	---	12
13	---	---	0.1188	0	0	0	0	0.003	0	0.037	---	---	13
14	---	---	0.090	0	0	0	0	0.001	0	0.037	---	---	14
15	---	---	0.089	0	0	0	0	0	0	0.037	---	---	15
16	---	---	0.071	0	0	0	0	0	0	0.035	---	---	16
17	---	---	0.034	0	0.004	0	0	0	0	0.034	---	---	17
18	---	---	0.018	0	0.008	0	0.014	0	0	0.033	---	---	18
19	---	---	0.013	0	0.010	0	0.025	0	0	0.031	---	---	19
20	---	---	0.014	0	0.009	0	0.012	0	0	0.030	---	---	20
21	---	---	0.018	0	0.008	0	0.010	0	0	0.028	---	---	21
22	---	---	0.020	0	0.008	0	0.009	0	0	0.026	---	---	22
23	---	---	0.014	0	0.017	0	0.010	0	0	0.023	---	---	23
24	---	---	0.009	0	0.010	0	0.008	0	0	0.022	---	---	24
25	---	0 B	0.007	0	0.005	0	0.008	0	0	0.018	---	---	25
26	---	0 B	0.005	0	0.001	0	0.007	0	0	0.017	---	---	26
27	---	0 B	0.005	0	0	0	0.011	0	0	0.014	---	---	27
28	---	0.0298	0.029	0	0	0	0.028	0	0	0.013	---	---	28
29	---		0.087	0	0	0	0.033	0	0	0.011	---	---	29
30	---		0.105	0.001	0	0	0.046	0	0	0.010	---	---	30
31	---		0.026		0		0.054	0		0.007		---	31
TOTAL	---	---	1.889	0.032	0.081	0	0.275	0.141	0	0.806	---	---	TOTAL
MEAN	---	---	0.061	0.001	0.003	0	0.009	0.005	0	0.020	---	---	MEAN
MAX	---	---	0.212	0.012	0.017	0	0.054	0.038	0	0.037	---	---	MAX
MIN	---	---	0.005	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.012
MAXIMUM DAILY, 0.2128 ON MAR 2
MINIMUM DAILY, 0 ON APR 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 10 47 N
LONG 111 14 15 W
DRAINAGE AREA, 87.9 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	23.8
FEB	---	AUG	12.2
MAR	163	SEP	0
APR	2.78	OCT	53.5
MAY	7.00	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 251 dam³

RICHARDSON LAKE AT THE OUTLET - STATION NO. 07DD006

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	29.611	29.729	---	---	---	---	---	1
2	---	---	---	---	---	29.687	29.723	---	---	---	---	---	2
3	---	---	---	---	---	29.633	29.710	---	---	---	---	---	3
4	---	---	---	---	---	29.721	29.721	---	---	---	---	---	4
5	---	---	---	---	---	29.615	29.786	---	---	---	---	---	5
6	---	---	---	---	---	29.928	29.740	---	---	---	---	---	6
7	---	---	---	---	---	29.982	29.697	---	---	---	---	---	7
8	---	---	---	---	---	30.012	29.681	---	---	---	---	---	8
9	---	---	---	---	---	30.050	29.689	---	---	---	---	---	9
10	---	---	---	---	---	30.061	29.710	---	---	---	---	---	10
11	---	---	---	---	---	30.014	29.679	---	---	---	---	---	11
12	---	---	---	---	---	30.027	29.701	30.400	---	---	---	---	12
13	---	---	---	---	---	29.932	29.719	---	---	---	---	---	13
14	---	---	---	---	---	29.849	29.719	---	---	---	---	---	14
15	---	---	---	---	---	29.806	29.732	---	---	---	---	---	15
16	---	---	---	---	---	29.787	29.783	---	---	29.383	---	---	16
17	---	---	---	---	---	29.788	29.817	---	---	---	---	---	17
18	---	---	---	---	---	29.733	29.885	30.050	---	---	---	---	18
19	---	---	---	---	---	29.722	---	---	---	---	---	---	19
20	---	---	---	---	---	29.723	---	---	---	---	---	---	20
21	---	---	---	---	---	29.740	---	---	---	---	---	---	21
22	---	---	---	---	---	29.705	---	---	---	---	---	---	22
23	---	---	---	---	---	29.726	---	---	---	---	---	---	23
24	---	---	---	---	---	29.763	---	---	---	---	---	---	24
25	---	---	---	---	---	29.779	---	---	---	---	---	---	25
26	---	---	---	---	---	29.803	---	---	---	---	---	---	26
27	---	---	---	---	29.480	29.825	---	30.045	---	---	---	---	27
28	---	---	---	---	29.448	29.824	---	---	---	---	---	---	28
29	---		---	---	29.528	29.795	---	---	---	---	---	---	29
30	---		---	---	29.582	29.760	---	---	---	---	---	---	30
31	---		---		29.604		---	---		---		---	31
MEAN	---	---	---	---	---	29.810	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	30.061	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	29.611	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 23 55 N
LONG 110 58 20 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

NATURAL FLOW

DRAINAGE AREA,
1 930 km²

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

RICHARDSON RIVER NEAR THE MOUTH - STATION NO 07DD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	12.00	12.00	12.00	15.20	30.6	21.1	20.1	19.7	16.5	16.6	15.20	14.10	1
2	12.00	12.00	12.00	16.70	28.6	20.8	19.7	19.7	16.6	16.5	15.20	14.00	2
3	12.00	12.00	12.00	16.90	26.7	20.6	19.4	19.4	16.6	16.4	15.10	14.00	3
4	12.00	12.00	12.00	17.20	25.4	20.4	19.6	19.2	17.7	16.4	15.00	14.00	4
5	12.00	12.00	12.00	17.50	25.2	20.0	19.6	19.0	17.6	16.4	15.00	14.00	5
6	12.00	12.00	12.00	17.80	25.6	19.8	20.5	18.9	17.8	16.4	15.00	13.90	6
7	12.00	12.00	12.00	18.70	25.7	19.5	21.6	18.7	17.8	16.5	15.00	13.90	7
8	12.00	12.00	13.00	18.20	25.6	19.4	23.1	18.6	17.8	16.4	15.70	13.80	8
9	12.00	12.00	13.00	18.60	25.4	19.3	24.3	18.5	17.8	16.5	15.60	13.80	9
10	12.00	12.00	13.10	19.00	25.1	19.2	25.1	18.1	18.0	16.9	15.50	12.80	10
11	12.00	12.00	13.10	19.80	25.1	18.6	25.3	17.9	17.6	16.9	15.40	13.70	11
12	12.00	12.00	13.20	20.00	25.1	17.9	24.5	17.7	17.2	17.1	15.30	13.70	12
13	12.00	12.00	13.30	20.20	25.2	17.6	23.8	17.6	16.9	17.2	15.30	13.70	13
14	12.00	12.00	13.50	20.40	25.6	17.2	23.1	17.2	16.6	17.2	15.20	13.70	14
15	12.00	12.00	13.60	21.00	25.9	16.9	22.7	17.4	16.2	17.5	15.10	13.60	15
16	12.00	12.00	13.70	21.60	25.6	16.7	22.5	17.4	16.2	17.5	15.10	13.60	16
17	12.00	12.00	13.80	22.00	24.7	16.6	22.4	17.2	16.1	17.4	15.00	13.60	17
18	12.00	12.00	13.90	22.50	24.2	16.5	21.9	17.3	16.0	17.3	14.90	13.50	18
19	12.00	12.00	14.00	23.00	23.7	17.1	21.3	17.4	16.0	17.3	14.90	13.50	19
20	12.00	12.00	14.20	23.50	23.2	19.5	21.4	17.5	16.0	17.1	14.80	13.40	20
21	12.00	12.00	14.60	24.10	23.1	21.8	21.8	17.7	15.0	17.1	14.70	13.40	21
22	12.00	12.00	14.60	24.90	23.2	23.0	22.4	17.8	16.0	17.0	14.70	13.30	22
23	12.00	12.00	14.80	25.20	23.7	23.5	22.4	17.7	16.2	16.9	14.60	13.30	23
24	12.00	12.00	14.90	25.80	23.8	24.2	22.3	17.7	16.2	16.8	14.50	13.20	24
25	12.00	12.00	15.00	26.60	24.4	24.6	22.0	17.7	16.3	16.7	14.40	13.20	25
26	12.00	12.00	15.10	27.00	24.7	24.0	21.5	17.7	16.5	16.5	14.30	13.20	26
27	12.00	12.00	15.30	26.00	24.3	22.9	21.2	17.6	16.6	16.7	14.30	13.20	27
28	12.00	12.00	15.50	29.7	23.4	21.9	20.8	17.3	16.7	16.8	14.20	13.10	28
29	12.00		15.80	29.8	22.8	21.2	20.4	17.0	16.6	16.78	14.20	13.10	29
30	12.00		15.90	30.7	22.2	20.6	20.1	16.8	16.7	16.58	14.10	13.10	30
31	12.00		16.10		21.6		19.6	16.7		16.48		13.10	31
TOTAL	369.6	351.2	433.1	682.5	769.1	602.3	677.2	565.9	503.6	522.1	453.9	420.5	TOTAL
MEAN	12.9	12.6	14.0	22.1	24.8	20.1	21.8	17.9	16.8	16.8	15.1	13.6	MEAN
MAX	12.9	12.6	15.1	30.7	30.6	24.6	25.3	19.7	18.0	17.6	15.3	14.1	MAX
MIN	12.9	12.6	12.9	15.2	21.6	16.5	19.4	16.7	16.0	16.4	14.1	13.1	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 17.4
MAXIMUM DAILY 30.7 ON APR 30
MINIMUM DAILY 12.00 ON JAN 1
MAXIMUM INSTANTANEOUS
31.7 AT 13:53 MST ON MAY 1

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 21 46 N
LONG 111 14 14 W
DRAINAGE AREA 2 700 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	34 500	JUL	58 500
FEB	31 200	AUG	48 000
MAR	37 400	SEP	43 500
APR	57 200	OCT	45 100
MAY	66 500	NOV	39 200
JUN	52 000	DEC	36 300

TOTAL DISCHARGE 550 000 dam³

RIVIERE DES ROCHERS ABOVE SLAVE RIVER - STATION NO 07NA001

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	207.866	207.449	208.004	208.267	208.384	208.135	208.071	207.780	208.520	208.724	---	207.895	1
2	207.965	207.382	208.556	208.293	208.429	208.072	207.959	207.671	208.595	208.684	---	207.925	2
3	207.939	207.302	208.530	208.323	208.428	208.384	207.831	207.605	208.591	208.688	---	207.980	3
4	207.917	207.187	208.558	208.373	208.449	208.553	207.894	207.513	208.533	208.688	---	208.019	4
5	207.885	207.088	208.549	208.467	208.484	208.534	207.839	207.411	208.631	208.677	---	208.080	5
6	207.882	208.974	208.535	208.585	209.438	208.589	207.578	207.248	208.639	208.831	---	208.104	6
7	207.839	208.881	208.489	208.711	209.019	208.589	207.426	207.326	208.728	208.914	---	208.143	7
8	207.818	208.804	208.462	208.831	---	208.534	207.383	207.263	208.804	208.930	---	208.128	8
9	207.789	208.765	208.452	208.890	---	208.544	207.351	207.332	208.777	208.949	---	208.124	9
10	207.771	208.725	208.412	208.883	---	208.347	207.330	207.305	208.822	208.973	207.835	208.101	10
11	207.722	208.682	208.417	208.885	---	208.239	207.326	207.287	208.781	208.983	---	208.070	11
12	207.682	208.637	208.420	208.859	---	208.112	207.336	207.180	208.628	208.988	---	208.030	12
13	207.614	208.580	208.424	208.898	208.082	207.988	207.314	207.120	208.545	207.000	---	207.985	13
14	207.578	208.586	208.406	208.962	207.874	207.978	207.324	206.995	208.534	207.026	---	207.885	14
15	207.537	208.631	208.386	207.063	207.831	208.029	207.471	206.978	208.528	207.051	---	207.824	15
16	207.531	208.658	208.372	207.135	207.747	207.998	207.533	207.005	208.507	---	---	207.788	16
17	207.555	208.652	208.351	207.208	207.688	207.933	207.502	206.961	208.477	---	---	207.775	17
18	207.588	208.634	208.331	207.300	207.618	207.886	207.412	206.953	208.398	---	---	207.770	18
19	207.625	208.610	208.311	207.381	207.613	207.840	---	206.884	208.375	---	---	207.783	19
20	207.630	208.581	208.284	207.488	207.719	207.587	---	206.527	208.382	---	207.672	207.795	20
21	207.624	208.557	208.234	207.617	207.829	207.577	---	206.811	208.333	---	207.653	207.783	21
22	207.630	208.619	208.183	207.634	207.878	207.662	---	206.788	208.341	---	207.647	207.740	22
23	207.651	208.678	208.146	207.628	207.874	207.782	207.918	206.778	208.352	---	207.694	207.708	23
24	207.642	208.784	208.139	207.832	207.907	207.944	208.285	206.788	208.503	---	207.713	207.843	24
25	207.638	208.780	208.134	207.878	207.929	208.118	208.493	206.744	208.482	---	207.735	207.892	25
26	207.647	208.770	208.142	207.717	207.978	208.244	208.618	206.788	208.540	---	207.781	207.882	26
27	207.628	208.738	208.124	207.891	208.033	208.284	208.343	206.738	208.535	---	207.818	207.867	27
28	207.586	208.688	208.115	208.084	208.178	208.278	208.227	206.703	208.589	---	207.832	207.867	28
29	207.557		208.147	208.188	208.338	208.188	208.079	206.694	208.631	---	207.852	207.803	29
30	207.518		208.188	208.298	208.288	208.108	207.931	206.584	208.670	---	207.873	207.576	30
31	207.495		208.244		208.187		207.833	206.601		---		207.547	31
MEAN	207.681	208.800	208.343	207.181	---	208.138	---	207.057	208.585	---	---	207.841	MEAN
MAX	207.965	207.449	208.604	208.288	---	208.634	---	207.780	208.822	---	---	208.143	MAX
MIN	207.495	208.857	208.115	208.267	---	207.577	---	206.584	208.333	---	---	207.547	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY 208.435 ON MAY 5
MINIMUM DAILY 206.115 ON MAR 28

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 59 30 N
LONG 111 24 00 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1987

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

RIVIERE DES ROCHERS EAST OF LITTLE RAPIDS - STATION NO 07NA007

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	208.152	---	207.854	208.523	208.924	209.197	209.206	209.121	208.938	---	208.515	1
2	---	208.140	---	207.705	208.561	208.582	209.078	209.186	209.086	208.904	---	208.529	2
3	---	208.096	---	207.718	208.572	208.942	209.044	209.222	209.106	208.894	---	208.545	3
4	---	208.063	---	207.720	208.602	208.870	209.387	209.194	209.154	208.892	---	208.555	4
5	---	208.043	---	207.715	208.679	209.031	209.293	209.173	209.087	208.817	---	208.560	5
6	---	208.022	207.809	207.697	209.380	208.945	209.082	209.183	209.030	208.980	208.589	208.586	6
7	208.299	207.999	207.857	207.710	209.187	209.054	208.070	209.189	209.177	208.885	208.525	208.602	7
8	208.307	208.001	207.879	207.785	209.010	209.002	208.103	209.270	209.196	208.852	208.485	208.569	8
9	208.288	208.013	207.855	207.729	208.985	208.143	209.089	209.218	209.192	---	208.445	208.571	9
10	208.300	208.000	207.808	207.737	209.003	208.916	209.073	209.241	209.317	---	208.479	208.585	10
11	208.256	207.979	207.829	207.740	208.830	208.982	209.100	209.195	209.200	---	208.472	208.547	11
12	208.250	207.962	207.814	207.781	208.772	208.921	209.139	209.189	209.085	---	208.482	208.554	12
13	208.222	207.949	207.625	207.785	208.647	208.885	209.123	209.196	209.007	---	208.521	208.510	13
14	208.231	207.936	207.780	207.768	208.632	208.957	209.127	209.050	209.048	---	208.523	208.499	14
15	208.207	---	207.769	207.798	208.636	209.052	209.284	209.228	209.023	---	208.555	208.486	15
16	208.199	---	207.784	207.822	208.599	209.033	209.260	209.224	209.019	---	208.535	208.463	16
17	208.217	---	207.743	207.857	208.557	208.893	209.177	209.263	209.023	---	208.518	208.481	17
18	208.214	---	207.725	207.894	208.535	209.031	209.073	209.207	208.951	---	208.510	208.443	18
19	208.236	---	207.748	20 926	208.578	208.029	209.109	209.170	208.868	---	208.529	208.434	19
20	208.212	---	207.724	207.893	208.704	208.739	208.994	209.186	209.000	---	208.528	208.445	20
21	208.209	207.934	207.758	208.018	208.754	208.938	209.089	209.155	208.942	---	208.510	208.433	21
22	208.221	---	207.704	208.017	208.787	209.050	209.180	209.157	208.936	---	208.501	208.415	22
23	208.242	---	207.699	208.023	208.750	209.015	209.103	209.168	209.004	---	208.531	208.422	23
24	208.208	---	207.717	208.040	208.823	209.020	209.135	209.144	209.215	---	208.500	208.395	24
25	208.198	---	207.726	208.088	208.805	209.021	209.158	209.166	209.097	---	208.512	208.394	25
26	208.236	---	207.745	208.144	208.844	209.018	209.204	209.189	209.168	---	208.545	208.421	26
27	208.197	---	207.719	208.229	208.759	209.052	209.229	209.178	208.995	---	208.518	208.415	27
28	208.182	---	207.704	208.315	208.868	209.082	209.220	209.153	208.915	---	208.528	208.410	28
29	208.166		207.714	208.392	209.018	209.083	209.239	209.162	208.882	---	208.537	208.417	29
30	208.176		207.706	208.441	208.937	209.095	209.181	208.934	208.878	---	208.537	208.398	30
31	208.173		207.694		208.875		209.193	209.160		---		208.381	31
MEAN	---	---	---	207.905	208.782	208.984	209.153	209.178	209.060	---	---	208.482	MEAN
MAX	---	---	---	208.441	209.380	209.143	209.387	209.270	209.317	---	---	208.602	MAX
MIN	---	---	---	207.694	208.523	208.582	208.894	208.934	208.878	---	---	208.381	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MAXIMUM DAILY, 209.380 ON MAY 5
MINIMUM DAILY, 207.694 ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 54 55 N
LONG 111 10 30 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

RIVIERE DES ROCHERS WEST OF LITTLE RAPIDS - STATION NO 07NA002

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	207.965	207.439	206.606	206.277	208.334	---	208.120	207.845	206.781	206.961	206.525	207.890	1
2	207.964	207.385	206.580	206.314	208.367	---	208.011	207.776	206.770	206.918	206.576	207.924	2
3	207.935	207.296	206.522	206.343	208.370	208.426	207.882	207.712	206.772	206.911	206.543	207.978	3
4	207.921	207.198	206.548	206.382	208.395	208.305	207.985	207.621	206.815	206.919	206.440	208.024	4
5	207.891	207.093	206.538	206.486	208.382	208.220	207.918	207.517	206.784	206.927	206.457	208.089	5
6	207.873	206.984	206.517	206.514	208.400	208.246	207.848	207.458	206.781	207.087	206.522	208.118	6
7	207.847	206.899	206.517	206.724	208.178	208.236	207.500	207.451	206.899	207.181	206.678	208.170	7
8	207.827	206.829	206.506	206.842	208.494	208.289	207.452	207.419	206.856	207.215	206.699	208.155	8
9	207.802	206.789	206.478	206.855	208.488	208.260	207.428	207.465	207.837	207.206	206.653	208.144	9
10	207.780	206.745	206.439	206.857	208.484	208.310	207.390	207.422	26 001	207.227	206.759	208.138	10
11	207.727	206.704	206.443	206.857	208.254	208.267	207.376	207.353	206.940	207.175	206.973	208.105	11
12	207.668	206.664	206.445	206.858	208.074	208.145	207.375	207.280	206.773	207.180	207.295	208.081	12
13	207.616	206.620	206.448	206.901	208.086	208.028	207.388	207.233	206.673	207.240	207.482	207.888	13
14	207.586	206.580	206.435	206.980	---	208.043	207.376	207.103	206.670	207.265	207.582	207.811	14
15	207.537	206.490	206.414	207.049	---	208.091	207.524	207.134	206.659	207.314	207.673	207.846	15
16	207.520	206.464	206.394	207.124	---	208.073	207.510	207.148	206.841	207.362	207.724	207.803	16
17	207.536	206.473	206.377	207.200	---	207.998	207.585	207.126	206.828	207.354	207.732	207.785	17
18	207.578	206.490	206.356	207.302	---	207.951	207.485	207.082	206.548	207.320	207.729	207.780	18
19	207.608	206.516	206.326	207.376	---	207.911	207.451	207.024	206.538	207.219	207.734	207.797	19
20	207.608	206.541	206.278	207.463	---	207.836	207.371	206.965	206.566	207.173	207.734	207.812	20
21	207.589	206.571	206.256	207.515	207.871	207.861	207.388	206.949	206.515	207.118	207.705	207.800	21
22	207.593	206.629	206.207	207.533	---	207.746	207.602	206.903	206.543	207.071	207.694	207.763	22
23	207.624	206.686	206.188	207.531	---	207.833	207.455	206.832	206.581	207.033	207.731	207.736	23
24	207.619	206.763	206.182	207.521	---	207.984	206.265	206.853	206.777	207.001	207.738	207.672	24
25	207.602	206.787	206.187	207.571	---	208.183	208.428	206.898	206.726	206.970	207.789	207.627	25
26	207.632	206.778	206.184	207.696	208.001	208.287	208.444	206.805	206.812	206.872	207.818	207.598	26
27	207.605	206.748	206.185	207.857	---	208.316	208.402	206.884	206.787	206.889	207.834	207.601	27
28	207.579	206.696	206.148	208.032	---	208.307	208.269	206.844	206.798	206.822	207.845	207.624	28
29	207.533		206.165	208.148	---	208.240	208.182	206.847	206.854	206.720	207.859	207.643	29
30	207.509		206.212	208.250	---	208.152	208.021	206.891	206.807	206.688	207.878	207.618	30
31	207.483		206.272		---		207.914	206.771		206.513		207.594	31
MEAN	207.683	206.780	206.362	207.149	---	---	207.785	207.187	206.747	207.080	207.316	207.864	MEAN
MAX	207.965	207.439	206.606	208.250	---	---	208.444	207.845	207.001	207.362	207.878	208.170	MAX
MIN	207.483	206.464	206.148	206.277	---	---	207.369	206.891	206.515	206.513	206.440	207.594	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MAXIMUM DAILY, 208.400 ON MAY 6
MINIMUM DAILY, 206.148 ON MAR 28

TYPE OF GAUGE - MANUAL
LOCATION - LAT 58 55 35 N
LONG 111 12 15 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

ROBERT CREEK NEAR ANZAC - STATION NO 07CE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0158	0.0238	0.461	0.358	0.139	0.605	0.015	0.045	---	---	1
2	---	---	0.0128	0.0028	0.478	0.343	0.145	0.548	0.018	0.046	---	---	2
3	---	---	0.0088	0.0788	0.603	0.327	0.143	0.540	0.020	0.045	---	---	3
4	---	---	0.0078	0.1778	0.808	0.320	0.167	0.507	0.019	0.046	---	---	4
5	---	---	0.0058	0.2298	0.801	0.300	0.334	0.488	0.018	0.045	---	---	5
6	---	---											
7	---	---	0.0038	0.2588	0.734	0.277	0.662	0.461	0.018	0.048	---	---	
8	---	---	0.0018	0.2808	0.698	0.264	0.499	0.408	0.018	0.057	---	---	6
9	---	---	0 B	0.2998	0.671	0.257	0.401	0.373	0.014	0.058	---	---	7
10	---	---	0 B	0.3268	0.690	0.251	0.344	0.357	0.014	0.058	---	---	8
			0 B	0.2868	0.692	0.237	0.289	0.293	0.013	0.059	---	---	9
11	---	---											10
12	---	---	0 B	0.1268	0.694	0.210	0.259	0.244	0.011	0.059	---	---	
13	---	---	0 B	0.0938	0.691	0.195	0.317	0.191	0.008	0.059	---	---	11
14	---	---	0 B	0.0618	0.641	0.187	0.321	0.137	0.004	0.058	---	---	12
15	---	---	0 B	0.0518	0.587	0.170	0.270	0.107	0.006	0.054	---	---	13
			0 B	0.0578	0.556	0.155	0.244	0.083	0.007	0.055	---	---	14
16	---	---											15
17	---	---	0 B	0.0888	0.515	0.141	0.267	0.079	0.010	0.052	---	---	
18	---	---	0 B	0.0838	0.492	0.118	0.280	0.063	0.014	0.052	---	---	16
19	---	---	0 B	0.1338	0.488	0.102	0.397	0.055	0.018	0.047	---	---	17
20	---	---	0 B	0.1708	0.489	0.130	1.44	0.080	0.017	0.044	---	---	18
			0 B	0.1858	0.485	0.139	1.05	0.053	0.019	0.044	---	---	19
21	---	---											20
22	---	---	0 B	0.2218	0.486	0.145	0.839	0.040	0.019	0.044	---	---	
23	---	---	0 B	0.5188	0.516	0.181	0.588	0.032	0.019	0.045	---	---	21
24	---	---	0 B	0.577	0.599	0.179	0.594	0.022	0.018	0.044	---	---	22
25	---	---	0 B	0.546	0.573	0.168	0.546	0.019	0.019	0.044	---	---	23
			0 B	0.527	0.528	0.181	0.480	0.017	0.018	0.044	---	---	24
26	---	---											25
27	---	---	0 B	0.528	0.483	0.153	0.435	0.020	0.021	0.044	---	---	
28	---	---	0.0598	0.553	0.465	0.145	0.383	0.020	0.028	0.044	---	---	26
29	---	---	0.1518	0.567	0.434	0.148	0.355	0.021	0.036	0.0418	---	---	27
30	---	---	0.1708	0.540	0.396	0.140	0.426	0.020	0.044	0.0318	---	---	28
31	---	---	0.1558	0.493	0.382	0.137	0.589	0.020	0.045	0.0308	---	---	29
			0.1098		0.377		0.686	0.018		0.0308		---	30
TOTAL	---	---										---	31
			0.898	8.084	17.551	8.049	14.589	5.901	0.548	1.473	---	---	TOTAL
MEAN	---	---											
MAX	---	---	0.022	0.269	0.586	0.202	0.470	0.190	0.018	0.048	---	---	MEAN
MIN	---	---	0.170	0.577	0.608	0.358	1.44	0.605	0.045	0.059	---	---	MAX
			0	0.002	0.377	0.102	0.139	0.018	0.004	0.030	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.224
MAXIMUM DAILY, 1.44 ON JUL 19
MINIMUM DAILY, 0.0 ON MAR 8
MAXIMUM INSTANTANEOUS,
1.62 AT 22.15 MST ON JUL 18

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 20 00 N
LONG 110 58 00 W
DRAINAGE AREA, 54.1 km²

B - ICE CONDITIONS

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 280
FEB	---	AUG	510
MAR	80.1	SEP	47.3
APR	897	OCT	127
MAY	1 520	NOV	---
JUN	523	DEC	---

TOTAL DISCHARGE, 4 740 dam³

ROCKY CREEK NEAR VALLEYVIEW - STATION NO 07EP006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.0488	0.221	0.038	0.005	0.003	0.003	0.006	0.009	---	1
2	---	---	---	0.0508	0.180	0.038E	0.005	0.007	0.005	0.005	0.012	---	2
3	---	---	---	0.0808	0.238	0.032E	0.004	0.007	0.004	0.005	0.0138	---	3
4	---	---	---	0.0858	0.340	0.029E	0.005	0.008	0.003	0.012	0.0138	---	4
5	---	---	---	0.1178	0.326	0.025E	0.005	0.008	0.003	0.015	---	---	5
6	---	---	---										
7	---	---	---	0.1478	0.592	0.022E	0.004	0.005	0.003	0.017	---	---	
8	---	---	---	0.1938	0.271	0.018E	0.004	0.005	0.003	0.020	---	---	6
9	---	---	---	0.3188	0.200	0.015E	0.004	0.005	0.003	0.017	---	---	7
10	---	---	---	0.3948	0.172	0.011E	0.003	0.005	0.003	0.018	---	0.0038	8
				0.3558	0.158	0.008	0.003	0.005	0.004	0.016	0.0088	---	9
11	---	---	---									---	10
12	---	---	---	0.2888	0.146	0.007	0.003	0.005	0.007	0.012	---	---	
13	---	---	---	0.2188	0.134	0.007	0.003	0.005	0.004	0.015	---	---	11
14	---	---	---	0.1628	0.121	0.008	0.005	0.004	0.004	0.013	---	---	12
15	---	---	0.0028	0.1208	0.172	0.006	0.004	0.004	0.004	0.013	---	---	13
			---	0.1048	0.210	0.006	0.011	0.004	0.004	0.013	---	---	14
16	---	---	---										15
17	---	---	0.0028	0.1258	0.200	0.006	0.028	0.004	0.004	0.014	---	---	
18	---	---	0.0028	0.184	0.172	0.006	0.039	0.003	0.004	0.015	---	---	16
19	---	---	0.0028	0.308	0.149	0.011	0.054	0.004	0.004	0.013	---	---	17
20	---	---	0.0028	0.472	0.125	0.025	0.038	0.004	0.004	0.013	---	---	18
			0.0028	0.515	0.114	0.020	0.023	0.003	0.004	0.011	---	---	19
21	---	---											20
22	---	---	0.0038	0.473	0.120	0.016	0.014	0.003	0.004	0.010	---	---	
23	---	---	0.0048	0.401	0.287	0.012	0.010	0.003	0.004	0.010	---	---	21
24	---	---	0.0038	0.351	0.284	0.010	0.035	0.003	0.004	0.010	---	---	22
25	---	---	0.0038	0.240	0.215	0.008	0.057	0.003	0.004	0.009	---	---	23
			0.0038	0.056	0.166	0.007	0.042	0.003	0.004	0.008	---	---	24
26	---	---											25
27	---	---	0.0048	0.017	0.132	0.006	0.024	0.003	0.007	0.010	---	---	
28	---	---	0.0058	0.017	0.109	0.005	0.016	0.003	0.012	0.010	---	---	26
29	---	---	0.0188	0.028	0.093	0.005	0.016	0.003	0.007	0.010	---	---	27
30	---	---	0.0288	0.116	0.078	0.005	0.014	0.004	0.005	0.009	---	---	28
31	---	---	0.0368	0.258	0.083	0.005	0.018	0.003	0.008	0.008	---	---	29
			0.0448		0.047		0.014	0.003		0.011		---	30
TOTAL	---	---	---									---	31
				6.238	5.845	0.413	0.608	0.136	0.137	0.371	---	---	TOTAL
MEAN	---	---	---										
MAX	---	---	---	0.202	0.189	0.016	0.016	0.004	0.005	0.012	---	---	MEAN
MIN	---	---	---	0.515	0.592	0.038	0.057	0.009	0.012	0.020	---	---	MAX
			---	0.017	0.047	0.005	0.003	0.003	0.003	0.005	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.084
MAXIMUM DAILY, 0.592 ON MAY 6
MINIMUM DAILY, 0.003 ON JUL 9
MAXIMUM INSTANTANEOUS,
0.788 AT 03.38 MST ON MAY 6

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 58 05 N
LONG 117 45 35 W
DRAINAGE AREA, 18.8 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	43.9
FEB	---	AUG	11.9
MAR	---	SEP	11.8
APR	339	OCT	32.1
MAY	503	NOV	---
JUN	35.7	DEC	---

TOTAL DISCHARGE, 1 180 dam³

ROLLING MILLS CANAL NO. 1 SPILL - STATION NO 05BN015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	0.820	0.919	0.708	0.005	0.277	0	---	1
2	---	---	---	---	0	0.848	0.301	0.713	0.002	0.080	0	---	2
3	---	---	---	---	0.822	0.371	0.980	0.703	0.001	0.031	0.002	---	3
4	---	---	---	---	2.18	0.283	1.18	0.572	0.002	0.031	0.001A	---	4
5	---	---	---	---	1.95	0.314	0.808	0.434	0.002	0.050	---	---	5
					1.01								
6	---	---	---	---	---								6
7	---	---	---	---	0.287	0.316	0.613	0.437	0.001	0.075	---	---	7
8	---	---	---	---	0.163	0.800	0.273	0.852	0	0.178	---	---	8
9	---	---	---	---	0.084	2.07	0.351	0.880	0	0.208	---	---	9
10	---	---	---	---	0.057	2.53	0.472	1.17	0.002	0.185	---	---	10
					0.055	3.02	0.866	1.29	0.002	0.083	---	---	
11	---	---	---	---	---								11
12	---	---	---	---	0.080	3.49	0.928	1.48	0.011	0.037	---	---	12
13	---	---	---	---	0.514	2.63	0.458	1.30	0.004	0.022	---	---	13
14	---	---	---	---	0.867	1.33	0.290	0.848	0	0.013	---	---	14
15	---	---	---	---	0.455	1.28	0.329	0.926	0	0.010	---	---	15
					0.058	1.67	0.579	1.08	0	0.005	---	---	
16	---	---	---	---	---								16
17	---	---	---	---	0.036	2.00	0.856	0.941	0.082	0.005	---	---	17
18	---	---	---	---	0.027	1.83	1.08	0.993	0.483	0.004	---	---	18
19	---	---	---	---	0.026	0.961	0.885	0.672	0.471	0.004	---	---	19
20	---	---	---	---	0.025	0.215	0.187	0.563	0.339	0.003	---	---	20
					0.024	0.233	0.289	0.606	0.329	0	---	---	
21	---	---	---	---	---								21
22	---	---	---	---	0.270	0.237	0.315	0.535	0.354	0	---	---	22
23	---	---	---	---	0A	0.521	0.723	0.303	0.349	0.345	0	---	---	23
24	---	---	---	---	0	0.703	1.64	0.358	0.376	0.308	0	---	---	24
25	---	---	---	---	0	0.693	1.80	0.686	0.403	0.265	0	---	---	25
					0	0.684	1.72	0.965	0.408	0.693	0	---	
26	---	---	---	---	---								26
27	---	---	---	---	0	0.489	1.78	0.794	0.468	0.617	0	---	---	27
28	---	---	---	---	0	1.73	0.885	1.18	0.484	0.447	0	---	---	28
29	---		---	---	0	2.69	0.733	1.35	0.415	0.472	0	---	---	29
30	---		---	---	0	1.85	1.49	0.736	0.283	0.411	0	---	---	30
31	---		---	---	0	0.864	1.58	0.892	0.083	0.289	0	---	---	31
						1.04		0.953	0.011		0	---	
TOTAL	---	---	---	---	20.037	38.889	21.218	20.791	5.925	1.300	---	---	TOTAL
MEAN	---	---	---	---	0.647	1.30	0.884	0.671	0.198	0.042	---	---	MEAN
MAX	---	---	---	---	2.69	3.49	1.35	1.49	0.693	0.277	---	---	MAX
MIN	---	---	---	---	0	0.215	0.187	0.011	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.588
MAXIMUM DAILY, 3.49 ON JUN 11
MINIMUM DAILY, 0 ON MAY 1

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 10 00 N
LONG 111 49 00 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 830
FEB	---	AUG	1 800
MAR	---	SEP	512
APR	---	OCT	112
MAY	1 730	NOV	---
JUN	3 360	DEC	---

TOTAL DISCHARGE, 9 340 dam³

ROLLING MILLS CANAL NO 2 SPILL - STATION NO 05BN019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	0.182	0.120E	0.188	0.003	0.153	0.001	---	1
2	---	---	---	---	0	0.250	0.080E	0.498	0.002	0.119	0.001	---	2
3	---	---	---	---	0	0.088	0.110E	0.458	0.002	0	0.002	---	3
4	---	---	---	---	0.031	0.036	0.170E	0.428	0.002	0	0.003A	---	4
5	---	---	---	---	0.081	0.045	0.120E	0.387	0.002	0.008	---	---	5
6	---	---	---	---	---								6
7	---	---	---	---	0.025	0.059	0.080E	0.410	0.001	0.017	---	---	7
8	---	---	---	---	0.013	0.085	0.050E	0.451	0.001	0.018	---	---	8
9	---	---	---	---	0.009	0.108	0.090E	0.385	0.001	0.020	---	---	9
10	---	---	---	---	0.015	0.185	0.140A	0.335	0.002	0.019	---	---	10
					0.017	0.820	0.071	0.318	0.006	0.024	---	---	
11	---	---	---	---	---								11
12	---	---	---	---	0.014	0.503	0.080	0.487	0	0.014	---	---	12
13	---	---	---	---	0.018	0.495	0.123	0.389	0	0.017	---	---	13
14	---	---	---	---	0.316	0.486	0.307	0.058	0	0.015	---	---	14
15	---	---	---	---	0.805	0.639	0.357	0.087	0	0.013	---	---	15
					0.388	0.732	0.443	0.087	0	0.038	---	---	
16	---	---	---	---	---								16
17	---	---	---	---	0.039	0.822	0.542	0.181	0	0.014	---	---	17
18	---	---	---	---	0.007	0.421	0.338	0.274	0.143	0.007	---	---	18
19	---	---	---	---	0.006	0.188	0.184	0.244	0.513	0.008	---	---	19
20	---	---	---	---	0.005	0.091	0.082	0.134	0.482	0.005	---	---	20
					0.005	0.178	0.088	0.058	0.451	0.004	---	---	
21	---	---	---	---	---								21
22	---	---	---	---	0.041	0.191	0.188	0.047	0.430	0.003	---	---	22
23	---	---	---	---	0A	0.375	0.271	0.233	0.018	0.224	0.003	---	---	23
24	---	---	---	---	0	0.383	0.251	0.223	0.031	0.214	0.002	---	---	24
25	---	---	---	---	0	0.459	0.145A	0.298	0.054	0.241	0.002	---	---	25
					0	0.498	0.200E	0.356	0.138	0.420	0.002	---	
26	---	---	---	---	---								26
27	---	---	---	---	0	0.288	0.260E	0.51	0.089	0.418	0.002	---	---	27
28	---	---	---	---	0	0.426	0.120E	0.70	0.084	0.432	0	---	---	28
29	---		---	---	0	0.782	0.140E	0.493	0.082	0.333	0	---	---	29
30	---		---	---	0	0.494	0.170E	0.524	0.089	0.248	0	---	---	30
31	---		---	---	0	0.366	0.200E	0.425	0.087	0.178	0	---	---	31
						0.273		0.178	0.018		0.001	---	
TOTAL	---	---	---	---	---	8.288	7.871	7.881	3.431	4.739	0	---	TOTAL
MEAN	---	---	---	---	---	0.203	0.282	0.248	0.207	0.188	0.528	---	---	MEAN
MAX	---	---	---	---	---	0.805	0.732	0.701	0.498	0.513	0.017	---	---	MAX
MIN	---	---	---	---	---	0	0.036	0.080	0.018	0	0.153	---	---	MIN
											0	---	

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.182
MAXIMUM DAILY, 0.805 ON MAY
MINIMUM DAILY, 0 ON MAY 1

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 08 55 N
LONG 111 41 04 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	884
FEB	---	AUG	868
MAR	---	SEP	409
APR	---	OCT	49.4
MAY	543	NOV	---
JUN	680	DEC	---

TOTAL DISCHARGE, 3 900 dam³

ROLPH CREEK NEAR KIMBALL - STATION NO 05AE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	3.46	0.161	0.086	0.082	0.043	0.046	0.063	0.119	---	---	1
2	---	---	2.42	0.157	0.083	0.088	0.045	0.045	0.064	0.127	---	---	2
3	---	---	1.75	0.152	0.080	0.080	0.042	0.038	0.083	0.135	---	---	3
4	---	---	1.26	0.152	0.129	0.080	0.040	0.042	0.066	0.158	---	---	4
5	---	---	0.926	0.140	0.174	0.076	0.048	0.050	0.080	0.161	---	---	5
6	---	---	0.705	0.131	0.219	0.104	0.050	0.054	0.086	0.152	---	---	6
7	---	---	0.525	0.125	0.250	0.133	0.047	0.058	0.083	0.137	---	---	7
8	---	---	0.462	0.116	0.245	0.154	0.048	0.052	0.101	0.143	---	---	8
9	---	---	0.382	0.114	0.245	0.146	0.050	0.058	0.129	0.130	---	---	9
10	---	---	0.358	0.108	0.220	0.123	0.045	0.053	0.124	0.135	---	---	10
11	---	---	0.324	0.108	0.203	0.107	0.047	0.052	0.120	0.126	---	---	11
12	---	---	0.301	0.110	0.184	0.095	0.041	0.052	0.128	0.124	---	---	12
13	---	---	0.276	0.108	0.168	0.088	0.045	0.049	0.131	0.124	---	---	13
14	---	---	0.255	0.111	0.155	0.080	0.042	0.046	0.133	0.121	---	---	14
15	---	---	0.241	0.125	0.178	0.089	0.037	0.041	0.130	0.115	---	---	15
16	---	---	0.237	0.130	0.197	0.088	0.036	0.040	0.125	0.108	---	---	16
17	---	---	0.234	0.128	0.248	0.081	0.039	0.040	0.114	0.100	---	---	17
18	---	---	0.218	0.133	0.299	0.058	0.039	0.039	0.114	0.092	---	---	18
19	---	---	0.219	0.130	0.288	0.080	0.040	0.037	0.110	0.087	---	---	19
20	---	---	0.224	0.117	0.231	0.059	0.044	0.036	0.107	0.080	---	---	20
21	---	---	0.242	0.106	0.203	0.052	0.042	0.032	0.102	0.072	---	---	21
22	---	---	0.237	0.089	0.191	0.047	0.044	0.039	0.087	0.070	---	---	22
23	---	---	0.220	0.088	0.177	0.047	0.047	0.041	0.094	0.066	---	---	23
24	---	---	0.224	0.094	0.165	0.044	0.051	0.045	0.091	0.063	---	---	24
25	---	---	0.210	0.099	0.153	0.041	0.047	0.049	0.100	0.059	---	---	25
26	---	8.83A	0.192	0.113	0.142	0.038	0.050	0.050	0.113	0.055	---	---	26
27	---	7.42	0.181	0.112	0.131	0.041	0.051	0.051	0.105	0.058	---	---	27
28	---	5.29	0.173	0.109	0.125	0.037	0.053	0.051	0.106	0.054	---	---	28
29	---		0.156	0.103	0.106	0.056	0.055	0.051	0.112	0.050	---	---	29
30	---		0.180	0.095	0.100	0.048	0.050	0.057	0.110	0.048A	---	---	30
31	---		0.180		0.093		0.051	0.052		0.045E		---	31
TOTAL	---	---	16.940	3.582	5.486	2.261	1.402	1.458	3.111	3.114	---	---	TOTAL
MEAN	---	---	0.546	0.119	0.176	0.075	0.045	0.047	0.104	0.100	---	---	MEAN
MAX	---	---	3.46	0.161	0.299	0.154	0.055	0.062	0.133	0.161	---	---	MAX
MIN	---	---	0.156	0.094	0.080	0.037	0.038	0.032	0.063	0.045	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.152
MAXIMUM DAILY, 3.46 ON MAR 1
MINIMUM DAILY, 0.032 ON AUG 21
MAXIMUM INSTANTANEOUS,
8.97 AT 17:40 MST ON FEB 27

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 30 N
LONG 113 08 30 W
DRAINAGE AREA, 221 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	121
FEB	---	AUG	126
MAR	1 480	SEP	269
APR	308	OCT	269
MAY	472	NOV	---
JUN	195	DEC	---

TOTAL DISCHARGE, 3 220 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

ROMEO CREEK ABOVE ROMEO LAKE - STATION NO. 07BB903

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.880B	1.39	1.65	0.289	0	0.048	0	0.047	OE	---	1
2	---	---	1.47 B	1.54	1.38	0.237	0	0.042	0	0.055	OE	---	2
3	---	---	1.86 B	1.15	1.07	0.200	0	0.039	0	0.053	OE	---	3
4	---	---	1.57 B	1.07	0.888	0.171	0	0.040	0	0.062	OA	---	4
5	---	---	1.01 B	1.01	0.714	0.136	0	0.041	0	0.069	---	---	5
6	---	---	2.03 B	1.01	0.535	0.104	0	0.040	0	0.073	---	---	6
7	---	---	1.61 B	1.01	0.397	0.081	0	0.037	0	0.078	---	---	7
8	---	---	1.18 B	1.03	0.328	0.052	0	0.032	0	0.073	---	---	8
9	---	---	0.7698	0.863	0.314	0.034	0.001	0.030	0	0.057	---	---	9
10	---	---	0.3358	0.83	0.332	0.020	0.003	0.028	0	0.050	---	---	10
11	---	---	0.2868	0.855	0.627	0.008	0.008	0.028	0	0.045	---	---	11
12	---	---	0.2588	0.738	0.545	0.001	0.018	0.022	0	0.039	---	---	12
13	---	---	0.2168	0.647	0.448	0	0.032	0.019	0	0.033	---	---	13
14	---	---	0.1788	0.578	0.478	0	0.048	0.017	0	0.028	---	---	14
15	---	---	0.1388	0.526	0.698	0.001	0.080	0.011	0	0.021	---	---	15
16	---	---	0.0988	0.482	0.768	0.001	0.082	0.010	0	0.018	---	---	16
17	---	---	0.0808	0.486	0.648	0	0.178	0.010	0	0.011	---	---	17
18	---	---	0.4008	0.839	0.826	0	0.744	0.008	0	0.007	---	---	18
19	---	---	0.7408	1.63	0.838	0.003	1.54	0.005	0	0.003	---	---	19
20	---	---	1.08 B	1.48	0.856	0.002	1.48	0.005	0	0 A	---	---	20
21	---	---	1.78 B	1.25	0.883	0.004	0.824	0.004	0	0 E	---	---	21
22	---	---	2.48 B	1.12	0.803	0.005	0.571	0.003	0	0 E	---	---	22
23	---	---	3.27 B	1.19	1.08	0.001	0.429	0.003	0	0 E	---	---	23
24	---	---	1.88 B	1.27	0.983	0.001	0.588	0.002	0	0 E	---	---	24
25	---	---	2.74 B	1.31	0.821	0	0.691	0.002	0.001	0 E	---	---	25
26	---	---	1.76 B	1.35	0.877	0	0.384	0.001	0.005	0 E	---	---	26
27	---	0 B	1.69 B	1.44	0.578	0	0.219	0.001	0.018	0 E	---	---	27
28	---	0.490B	2.37 B	1.48	0.513	0	0.137	0	0.022	0 E	---	---	28
29	---		2.68 B	1.82	0.458	0	0.081	0	0.025	0 E	---	---	29
30	---		2.72 B	1.59	0.422	0	0.052	0	0.028	0 E	---	---	30
31	---		2.36		0.374		0.055	0		0 E	---	---	31
TOTAL	---	---	42.108	33.687	21.100	1.361	8.321	0.528	0.087	0.819	---	---	TOTAL
MEAN	---	---	1.36	1.12	0.681	0.045	0.288	0.017	0.003	0.026	---	---	MEAN
MAX	---	---	3.27	1.88	1.65	0.289	1.54	0.048	0.028	0.078	---	---	MAX
MIN	---	---	0.080	0.482	0.314	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.441
MAXIMUM DAILY, 3.27B ON MAR 23
MINIMUM DAILY, 0 ON JUN 13
MAXIMUM INSTANTANEOUS,
3.87 AT 15:17 MST ON MAR 23

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 64 04 20 N
LONG 114 54 05 W
DRAINAGE AREA, 114 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	719
FEB	---	AUG	46.4
MAR	3 840	SEP	8.38
APR	2 810	OCT	70.8
MAY	1 820	NOV	---
JUN	118	DEC	---

TOTAL DISCHARGE, 9 330 dam³

RONALANE WASTEWAY NEAR HAYS - STATION NO. 05BN007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	0.288	0.332	0.258	0.165	0.200	0.085	---	1
2	---	---	---	---	0	0.369	0.490	0.403	0.192	0.170	0.086	---	2
3	---	---	---	---	0	0.193	0.657	0.446	0.230	0.185	0.071	---	3
4	---	---	---	---	0	0.626	0.542	0.549	0.194	0.195	0.070	---	4
5	---	---	---	---	0	0.411	0.884	0.561	0.201	0.181	0.087	---	5
6	---	---	---	---	0	0.273	0.535	0.431	0.215	0.181	0.089	---	6
7	---	---	---	---	0	0.511	0.245	0.383	0.235	0.206	0.052	---	7
8	---	---	---	---	0	0.588	0.215	0.297	0.332	0.272	0.121	---	8
9	---	---	---	---	0	0.633	0.180	0.319	0.317	0.535	0.143	---	9
10	---	---	---	---	0	0.694	0.461	0.298	0.284	0.196	---	---	10
11	---	---	---	---	0	0.570	0.337	0.293	0.228	0.121	---	---	11
12	---	---	---	---	0	0.286	0.343	0.330	0.120	0.126	---	---	12
13	---	---	---	---	0	0.122	0.533	0.237	0.177	0.129	---	---	13
14	---	---	---	---	0.042	0.336	0.446	0.137	0.299	0.147	---	---	14
15	---	---	---	---	0.500	0.085	0.575	0.038	0.309	0.158	---	---	15
16	---	---	---	---	0.501	0.163	0.437	0.117	0.305	0.588	---	---	16
17	---	---	---	---	0.262	0.097	0.600	0.169	0.335	0.771	---	---	17
18	---	---	---	---	0.253	0.457	0.494	0.225	0.294	0.700	---	---	18
19	---	---	---	---	0.314	0.339	0.456	0.340	0.278	0.654	---	---	19
20	---	---	---	---	0.315	0.343	0.774	0.214	0.282	0.524	---	---	20
21	---	---	---	---	0.369	0.191	0.772	0.186	0.300	0.402	---	---	21
22	---	---	---	0A	0.474	0.143	0.337	0.210	0.284	0.239	---	---	22
23	---	---	---	0	0.429	0.134	0.369	0.171	0.248	0.166	---	---	23
24	---	---	---	0	0.402	0.285	0.367	0.175	0.204	0.156	---	---	24
25	---	---	---	0	0.449	0.261	0.622	0.150	0.497	0.157	---	---	25
26	---	---	---	0	0.478	0.209	0.659	0.116	0.564	0.139	---	---	26
27	---	---	---	0	0.422	0.181	0.477	0.146	0.330	0.147	---	---	27
28	---	---	---	0	0.334	0.537	0.381	0.160	0.265	0.131	---	---	28
29	---		---	0	0.291	0.592	0.442	0.158	0.243	0.119	---	---	29
30	---		---	0	0.149	0.459	0.367	0.206	0.243	0.138	---	---	30
31	---		---		0.238		0.263	0.228		0.082	---	---	31
TOTAL	---	---	---	---	5.223	10.376	14.372	7.962	8.169	8.115	---	---	TOTAL
MEAN	---	---	---	---	0.201	0.346	0.464	0.257	0.272	0.262	---	---	MEAN
MAX	---	---	---	---	0.501	0.694	0.774	0.561	0.564	0.771	---	---	MAX
MIN	---	---	---	---	0	0.085	0.180	0.038	0.120	0.082	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.300
MAXIMUM DAILY, 0.774 ON JUL 20
MINIMUM DAILY, 0 ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 02 40 N
LONG 111 35 00 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 240
FEB	---	AUG	688
MAR	---	SEP	706
APR	---	OCT	701
MAY	538	NOV	---
JUN	895	DEC	---

TOTAL DISCHARGE, 4 770 dam³

ROSE CREEK NEAR ALDER FLATS - STATION NO. 05DE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.3478	1.01 B	3.85	2.40	0.502	4.35	0.370	5.86	0.9708	---	1
2	---	---	1.11 B	0.8708	3.45	2.00	0.471	3.32	0.361	8.37	0.924	---	2
3	---	---	1.04 B	0.7588	3.65	1.62	0.452	2.64	0.325	7.17	0.844	---	3
4	---	---	0.7868	0.5978	4.62	1.32	0.442	2.25	0.412	6.02	0.825	---	4
5	---	---	0.8368	0.5428	5.10	1.05	0.603	2.28	0.568	5.58	0.828	---	5
6	---	---	0.2778	0.3418	5.18	0.910	0.750	3.87	0.528	4.78	0.832A	---	6
7	---	---	0.9608	0.2228	5.33	0.727	0.822	2.98	0.471	4.08	---	---	7
8	---	---	0.8908	0.2808	4.61	0.764	0.713	2.32	0.418	3.53	---	---	8
9	---	---	0.7508	0.2758	4.44	0.647	0.702	2.02	0.349	3.15	---	---	9
10	---	---	0.6388	0.2748	4.36	0.532	0.736	1.74	0.250	2.98	---	---	10
11	---	---	0.5618	0.2868	4.42	0.479	0.870	1.48	0.295	2.82	---	---	11
12	---	---	0.5528	0.4808	4.21	0.451	1.55	1.33	0.356	2.53	---	---	12
13	---	---	0.6748	0.4888	4.16	0.447	2.63	1.66	0.439	2.34	---	---	13
14	---	---	0.7598	0.5728	5.25	0.418	2.20	1.34	0.452	2.18	---	---	14
15	---	---	0.8358	0.4508	6.26	0.473	4.62	1.08	0.435	2.03	---	---	15
16	---	---	1.02 B	0.428	10.1	0.742	8.31	0.909	0.499	1.92	---	---	16
17	---	---	0.9798	0.439	22.8	0.877	71.5	0.735	0.544	1.79	---	---	17
18	---	---	0.9178	0.463	34.3	0.641	228 A	0.604	0.674	1.64	---	---	18
19	---	---	0.9128	0.514	28.7	0.636	121	0.488	0.759	1.61	---	---	19
20	---	---	0.8458	0.731	20.9	0.845	40.9	0.438	0.695	1.54	---	---	20
21	---	---	0.8138	0.643	16.7	0.817	22.8	0.414	0.687	1.47	---	---	21
22	---	---	1.26 B	0.717	22.2	0.582	14.5	0.386	0.749	1.36	---	---	22
23	---	---	1.23 B	1.32	18.1	0.498	13.4	0.378	0.746	1.27	---	---	23
24	---	---	1.17 B	1.30	13.4	0.416	10.3	0.400	0.830	1.21	---	---	24
25	---	---	1.02 B	1.10	10.2	0.724	7.85	0.408	1.22	1.15	---	---	25
26	---	---	0.8578	1.01	8.31	0.763	6.20	0.422	3.38	1.11	---	---	26
27	---	0.0888	0.8288	0.983	6.56	0.642	7.00	0.431	7.05	1.07	---	---	27
28	---	0.2008	0.7978	1.22	5.10	0.478	5.83	0.410	7.90	1.00	---	---	28
29	---		0.8978	2.15	4.14	0.439	4.78	0.389	7.23	0.980	---	---	29
30	---		1.12 B	3.57	3.41	0.467	6.59	0.367	6.13	0.999	---	---	30
31	---		1.30 B		3.00		6.15	0.401		1.01	---	---	31
TOTAL	---	---	27.081	24.052	298.91	23.710	592.873	42.048	45.135	85.549	---	---	TOTAL
MEAN	---	---	0.874	0.802	9.58	0.790	19.1	1.36	1.50	2.76	---	---	MEAN
MAX	---	---	1.30	3.57	34.3	2.40	228	4.35	7.90	8.37	---	---	MAX
MIN	---	---	0.277	0.222	3.00	0.418	0.442	0.367	0.250	0.980	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.84
MAXIMUM DAILY, 228A ON JUL 18
MINIMUM DAILY, 0.2228 ON APR 7
MAXIMUM INSTANTANEOUS,
278 AT 19:25 MST ON JUL 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 55 48 N
LONG 115 00 36 W
DRAINAGE AREA, 551 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	61 200
FEB	---	AUG	3 630
MAR	2 340	SEP	3 900
APR	2 080	OCT	7 380
MAY	28 700	NOV	---
JUN	2 080	DEC	---

TOTAL DISCHARGE, 93 300 dam³

ROSEBUD RIVER AT REDLAND - STATION NO. 05CE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2.36 B	1.19 B	0.300	2.20	4.78	4.30	2.50	14.6	1.58B	---	1
2	---	---	2.70 B	0.9748	0.436	2.01	5.64	3.52	2.77	12.4	1.80B	---	2
3	---	---	2.47 B	0.9728	0.496	1.56	5.43	2.64	3.14	11.5	1.81A	---	3
4	---	---	2.41 B	0.8388	0.541	1.32	4.33	2.22	3.52	9.95	---	---	4
5	---	---	1.89 B	0.8588	1.27	1.30	4.06	2.08	3.52	7.96	---	---	5
6	---	---	0.9318	0.8128	1.95	1.31	4.73	1.98	3.82	6.74	---	---	6
7	---	---	1.34 B	0.770	2.58	1.52	4.75	1.86	3.84	6.03	---	---	7
8	---	---	1.16 B	0.684	2.52	2.28	4.61	1.92	3.99	5.35	---	---	8
9	---	---	0.9708	0.691	2.19	3.08	4.21	2.79	4.25	4.59	---	---	9
10	---	---	0.8548	0.611	1.52	3.36	3.86	2.82	4.17	4.04	---	---	10
11	---	---	0.8448	0.508	1.23	3.23	3.56	2.65	4.17	3.61	---	---	11
12	---	---	0.7028	0.448	1.74	2.69	3.28	2.66	4.28	3.25	---	---	12
13	---	---	0.7778	0.3828	2.02	2.16	3.43	2.79	4.08	3.02	---	---	13
14	---	---	0.7958	0.3938	2.11	2.10	3.55	2.44	3.80	2.81	---	---	14
15	---	---	0.6958	0.429	2.42	2.16	3.38	2.15	3.79	2.64	---	---	15
16	---	---	0.6508	0.423	3.14	2.13	3.19	2.16	3.95	2.54	---	---	16
17	---	---	0.4848	0.431	4.19	2.57	3.86	2.25	4.40	2.45	---	---	17
18	---	---	0.4758	0.407	5.93	2.87	6.31	2.34	5.11	2.35	---	---	18
19	---	---	0.6628	0.378	8.26	3.16	7.23	2.28	5.86	2.22	---	---	19
20	---	---	1.14 B	0.388	8.68	3.70	7.25	2.25	6.28	2.11	---	---	20
21	---	---	0.9368	0.386	9.86	3.94	6.88	2.12	6.06	2.01	---	---	21
22	---	---	0.8368	0.343	7.97	4.22	5.29	2.21	5.52	1.80	---	---	22
23	---	---	0.7038	0.351	6.39	4.24	4.54	2.40	5.00	1.82	---	---	23
24	---	0.8	0.7708	0.365	5.51	3.70	3.96	2.37	4.71	1.72	---	---	24
25	---	0.0038	0.8778	0.400	4.76	3.34	3.84	2.27	5.20	1.56	---	---	25
26	---	0.0058	1.13 B	0.375	3.94	3.06	3.88	2.54	10.5	1.58	---	---	26
27	---	1.49 B	1.28 B	0.371	3.20	3.15	3.83	2.45	16.0	2.07	---	---	27
28	---	3.72 B	1.15 B	0.354	2.58	3.07	3.94	2.28	15.8	2.12	---	---	28
29	---	---	1.09 B	0.328	2.33	3.02	4.06	2.22	15.9	2.08	---	---	29
30	---	---	1.11 B	0.305	2.19	3.67	4.19	2.15	15.9	2.03	---	---	30
31	---	---	1.16 B		2.16		4.53	2.13		1.92	---	---	31
TOTAL	---	---	35.051	16.155	104.393	82.12	139.99	75.22	181.63	130.97	---	---	TOTAL
MEAN	---	---	1.13	0.539	3.37	2.74	4.52	2.43	6.05	4.22	---	---	MEAN
MAX	---	---	2.70	1.19	9.86	4.24	7.25	4.30	16.0	14.6	---	---	MAX
MIN	---	---	0.475	0.305	0.300	1.30	3.19	1.86	2.50	1.56	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.12
MAXIMUM DAILY, 16.0 ON SEP 27
MINIMUM DAILY, 0.300 ON MAY 1
MAXIMUM INSTANTANEOUS,
17.7 AT 13:35 MST ON SEP 27

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 17 35 N
LONG 113 00 10 W
DRAINAGE AREA, 3 580 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	12 100
FEB	---	AUG	6 500
MAR	3 030	SEP	15 700
APR	1 400	OCT	11 300
MAY	9 020	NOV	---
JUN	7 100	DEC	---

TOTAL DISCHARGE, 65 200 dam³

ROSEBUD RIVER BELOW CARSTAIRS CREEK - STATION NO. 05CE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.8448	0.058	0.008	0.328	0.050	0.133	0.004	2.40	0.528	---	1
2	---	---	0.4918	0.055	0.006	0.267	0.101	0.084	0.003	1.91	0.671	---	2
3	---	---	0.9288	0.043	0.004	0.184	0.179	0.071	0.002	1.66	0.451A	---	3
4	---	---	0.6958	0.037	0.013	0.136	0.178	0.084	0.001	1.51	---	---	4
5	---	---	0.8858	0.037	0.040	0.134	0.142	0.118	0.003	1.30	---	---	5
6	---	---	0.3488	0.033	0.081	0.112	0.113	0.135	0.005	1.15	---	---	6
7	---	---	0.2368	0.027	0.068	0.095	0.087	0.108	0.002	1.03	---	---	7
8	---	---	0.1428	0.022	0.052	0.086	0.072	0.095	0.004	0.973	---	---	8
9	---	---	0.3608	0.019	0.142	0.093	0.054	0.086	0.014	0.880	---	---	9
10	---	---	0.2518	0.019	0.148	0.103	0.052	0.083	0.006	0.699	---	---	10
11	---	---	0.1898	0.018	0.116	0.102	0.053	0.077	0.019	0.825	---	---	11
12	---	---	0.1558	0.018	0.099	0.070	0.052	0.058	0.087	0.551	---	---	12
13	---	---	0.1488	0.020	0.098	0.050	0.047	0.048	0.061	0.522	---	---	13
14	---	---	0.1358	0.018	0.255	0.036	0.080	0.035	0.075	0.540	---	---	14
15	---	---	0.1238	0.017	0.401	0.032	0.085	0.029	0.089	0.523	---	---	15
16	---	---	0.1268	0.030	0.868	0.031A	0.057	0.022	0.116	0.459	---	---	16
17	---	---	0.1198	0.072	1.24	0.023A	0.073	0.015	0.173	0.413	---	---	17
18	---	---	0.1358	0.088	4.10	0.020	0.082	0.009	0.167	0.387	---	---	18
19	---	---	0.1318	0.070	4.27	0.020	0.098	0.004	0.127	0.332	---	---	19
20	---	---	0.1248	0.054	3.78	0.014	0.457	0.002	0.108	0.275	---	---	20
21	---	---	0.1248	0.042	3.33	0.010	0.448	0.022	0.135	0.254	---	---	21
22	---	---	0.1158	0.030	2.68	0.022	0.517	0.029	0.127	0.577	---	---	22
23	---	---	0.1088	0.031	2.10	0.030	0.436	0.009	0.155	1.22	---	---	23
24	---	---	0.1278	0.028	1.56	0.012	0.331	0.004	0.145	1.17	---	---	24
25	---	0.4348	0.1618	0.025	1.23	0.007	0.244	0.004	0.218	1.13	---	---	25
26	---	0.4908	0.113	0.022	1.02	0.005	0.175	0.002	0.587	1.11	---	---	26
27	---	0.5468	0.108	0.017	0.840	0.004	0.149	0	3.78	0.969	---	---	27
28	---	0.4548	0.095	0.014	0.715	0.002	0.147	0	4.27	0.854	---	---	28
29	---		0.085	0.012	0.846	0.016	0.145	0	2.83	0.792	---	---	29
30	---		0.080	0.008	0.510	0.032	0.326	0.016	2.84	1.09	---	---	30
31	---		0.066		0.400		0.192	0.019		0.774		---	31
TOTAL	---	---	7.397	0.956	30.586	2.064	5.193	1.393	15.960	28.139	---	---	TOTAL
MEAN	---	---	0.239	0.032	0.987	0.069	0.168	0.045	0.532	0.908	---	---	MEAN
MAX	---	---	0.928	0.072	4.27	0.326	0.517	0.135	4.27	2.40	---	---	MAX
MIN	---	---	0.066	0.008	0.004	0.002	0.047	0	0.001	0.254	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.374
MAXIMUM DAILY, 4.27 ON MAY 19
MINIMUM DAILY, 0 ON AUG 27
MAXIMUM INSTANTANEOUS,
5.55 AT 21:35 MST ON SEP 27

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 25 00 N
LONG 113 43 35 W
DRAINAGE AREA, 765 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	449
FEB	---	AUG	120
MAR	539	SEP	1 380
APR	83.5	OCT	2 430
MAY	2 840	NOV	---
JUN	178	DEC	---

TOTAL DISCHARGE, 7 920 dam³

ROSS CREEK AT MEDICINE HAT - STATION NO. 05AH049

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.107	1.17	0.931	0.625	0.130	4.04	0.784	---	1
2	---	---	---	---	1.08	1.14	0.883	0.680	0.209	3.17	0.833	---	2
3	---	---	---	---	1.28	0.802	0.783	0.590	0.434	2.62	0.907A	---	3
4	---	---	---	---	1.37	0.593A	0.435	0.526	0.785	2.26	---	---	4
5	---	---	---	---	1.98	0.411E	0.209	0.514	0.725	2.08	---	---	5
6	---	---	---	---	1.74	0.247E	0.126	0.450	0.447	1.88	---	---	6
7	---	---	---	---	1.62	0.190E	0.121	0.297	0.328	1.61	---	---	7
8	---	---	---	---	1.43	0.486A	0.085	0.320	0.189	1.34	---	---	8
9	---	---	---	---	1.50	0.570	0.144	0.481	0.316	1.31	---	---	9
10	---	---	---	---	1.41	0.703	0.129	0.485	0.290	1.53	---	---	10
11	---	---	---	---	1.37	0.715	0.154	0.518	0.259	1.67	---	---	11
12	---	---	---	---	1.24	0.555A	0.250	0.377	0.428	1.92	---	---	12
13	---	---	---	---	1.17	0.458E	0.413	0.470	0.458	2.04	---	---	13
14	---	---	---	---	1.31	0.465A	0.697	0.428	0.534	1.88	---	---	14
15	---	---	---	---	1.28	0.785	0.735	0.277	0.556	2.00	---	---	15
16	---	---	---	---	1.48	0.527A	0.618	0.252	0.678	2.00	---	---	16
17	---	---	---	---	1.68	0.398E	0.509	0.262	1.25	1.86	---	---	17
18	---	---	---	---	2.06	0.438A	0.450	0.291	1.15	1.94	---	---	18
19	---	---	---	---	2.99	0.554	0.272	0.176	1.31	1.86	---	---	19
20	---	---	---	---	4.77	0.448A	0.253	0.128	1.23	1.92	---	---	20
21	---	---	---	---	4.78	0.288E	0.520	0.465	1.18	1.87	---	---	21
22	---	---	---	---	4.52	0.214E	0.604	0.355	1.15	1.86	---	---	22
23	---	---	---	0.111A	3.98	0.222E	0.310	0.318	1.15	1.85	---	---	23
24	---	---	---	0.138	4.02	0.132E	0.371	0.335	1.23	1.87	---	---	24
25	---	---	---	0.133	4.20	0.324A	0.481	0.284	5.77	1.86	---	---	25
26	---	---	---	0.123	3.86	0.340	0.472	0.225	4.74	1.85	---	---	26
27	---	---	---	0.128	3.77	0.428	0.787	0.311	8.15	1.88	---	---	27
28	---	---	---	0.120	1.92	0.238	0.838	0.148	7.23	1.50	---	---	28
29	---		---	0.110	1.15	0.451	0.721	0.124	7.47	0.923	---	---	29
30	---		---	0.114	0.832	0.406	0.536	0.161	8.10	0.925	---	---	30
31	---		---		1.02		0.502	0.121		0.894		---	31
TOTAL	---	---	---	---	65.009	14.854	14.447	11.005	53.901	58.522	---	---	TOTAL
MEAN	---	---	---	---	2.13	0.488	0.466	0.355	1.80	1.88	---	---	MEAN
MAX	---	---	---	---	4.78	1.17	0.993	0.890	7.47	4.04	---	---	MAX
MIN	---	---	---	---	0.107	0.132	0.085	0.121	0.130	0.894	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.15
MAXIMUM DAILY, 7.47 ON SEP 28
MINIMUM DAILY, 0.085 ON JUL 8

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 47 N
LONG 110 38 27 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 250
FEB	---	AUG	851
MAR	---	SEP	4 660
APR	---	OCT	5 080
MAY	5 700	NOV	---
JUN	1 270	DEC	---

TOTAL DISCHARGE, 18 900 dam³

ROSS CREEK AT OUTLET OF ELKWATER LAKE - STATION NO. 05AH045

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0018	---	---	---	---	---	---	---	---	---	1
2	---	---	---	0.134A	---	---	---	---	---	---	---	---	2
3	---	---	---	0.163	---	---	---	---	---	---	---	---	3
4	---	---	---	0.122	---	---	---	---	---	---	---	---	4
5	---	---	---	0.056	---	---	---	---	---	---	---	---	5
6	---	---	---	0.039	---	---	---	---	---	---	---	---	6
7	---	---	---	0.033	---	---	---	---	---	---	---	---	7
8	---	---	---	0.097	---	---	---	---	---	---	---	---	8
9	---	---	---	0.061	---	---	---	---	---	---	---	---	9
10	---	---	---	0.030	---	---	---	---	---	---	---	---	10
11	---	---	0.0128	0.021	---	---	---	---	---	---	---	---	11
12	---	---	---	0.019	---	---	---	---	---	---	---	---	12
13	---	---	---	0.022	---	---	---	---	---	---	---	---	13
14	---	---	---	0.026	---	---	---	---	---	---	---	---	14
15	---	---	---	0.029	---	---	---	---	---	---	---	---	15
16	---	---	---	0.020	---	---	---	---	---	---	---	---	16
17	---	---	---	0.021	---	---	---	---	---	---	---	---	17
18	---	---	---	0.016	---	---	---	---	---	---	---	---	18
19	---	---	---	0.013	---	---	---	---	---	---	---	---	19
20	---	---	---	0.011	---	---	---	---	---	---	---	---	20
21	---	---	---	0.017A	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	08		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MINIMUM DAILY, 0.0018 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 40 42 N
LONG 110 17 42 W
DRAINAGE AREA, 30.0 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	---	SEP	---
APR	---	OCT	---
MAY	---	NOV	---
JUN	---	DEC	---

ROSS CREEK NEAR IRVINE - STATION NO. 05AH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0 B	0 B	3.55	0.029	0	0.204	0	0	0	0.870	0.640	---	1
2	0 B	0 B	2.04	0.015	0	0.205	0	0	0	0.809	0.542	---	2
3	0 B	0 B	1.09	0.010	0	0.108	0	0	0	0.566	0.887	---	3
4	0 B	0 B	0.564	0.006	0	0.084	0	0	0	0.804	0.798	---	4
5	0 B	0 B	0.349	0.005	0	0.067	0	0	0	0.485	0.781	---	5
6	0 B	0 B	0.260	0.004	0.027	0.087	0	0	0	0.384	1.07 A	---	6
7	0 B	0 B	0.212	0.003	0.443	0.072	0	0	0	0.283	---	---	7
8	0 B	0 B	0.094	0.002	0.318	0.087	0	0	0	0.209	---	---	8
9	0 B	0 B	0.095	0.003	0.226	0.134	0	0	0	0.218	---	---	9
10	0 B	0 B	0.153	0.002	0.348	0.369	0	0	0	0.419	---	---	10
11	0.0018 B	0 B	0.118	0.001	0.558	0.293	0	0	0	0.695	---	---	11
12	0.0028 B	0 B	0.079	0	0.576	0.175	0	0	0	0.597	---	---	12
13	0.1138 B	0 B	0.011	0	0.670	0.109	0	0	0	0.635	---	---	13
14	0.0868 B	0 B	0.005	0	0.572	0.069	0	0	0	0.641	---	---	14
15	0.0508 B	0 B	0.003	0	0.613	0.057	0	0	0	0.628	---	---	15
16	0.0608 B	0 B	0.003	0	0.836	0.047	0	0	0	0.525	---	---	16
17	0.0208 B	0 B	0.003	0	0.657	0.019	0	0	0	0.851	---	---	17
18	0.0108 B	0 B	0.002	0	1.61	0.013	0	0	0	0.884	---	---	18
19	0.0028 B	0 B	0.003	0	3.24	0.008	0	0	0	0.852	---	---	19
20	0.0018 B	0 B	0.003	0	3.99	0.005	0	0	0	0.847	---	---	20
21	0 B	0 B	0.003	0	3.14	0.004	0	0	0	0.649	---	---	21
22	0 B	0 B	0.002	0	1.82	0.003	0	0	0	0.639	---	---	22
23	0 B	0 B	0.002	0	2.16	0.002	0	0	0	0.626	---	---	23
24	0 B	0 B	0.002	0	3.57	0.001	0	0	0	0.621	---	---	24
25	0 B	0.1778 B	0.011	0	2.89	0	0	0	0.273	0.617	---	---	25
26	0 B	2.25 B	0.013	0	1.56	0	0	0	5.73	0.614	---	---	26
27	0 B	3.98 B	0.012	0	1.13	0	0	0	12.7	0.613	---	---	27
28	0 B	3.64 B	0.009	0	0.810	0	0	0	8.46	0.615	---	---	28
29	0 B		0.007	0	0.724	0.001	0	0	3.25	0.613	---	---	29
30	0 B		0.040	0	0.556	0.001	0	0	1.30	0.626	---	---	30
31	0 B		0.027		0.391		0	0		0.682		---	31
TOTAL	0.345	10.047	8.766	0.080	33.335	2.214	0	0	31.713	17.978	---	---	TOTAL
MEAN	0.011	0.359	0.283	0.003	1.08	0.074	0	0	1.06	0.580	---	---	MEAN
MAX	0.113	3.98	3.55	0.029	3.99	0.369	0	0	12.7	0.870	---	---	MAX
MIN	0	0	0.002	0	0	0	0	0	0	0.209	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.381
MAXIMUM DAILY, 12.7 ON SEP 27
MINIMUM DAILY, 0B OR FEB 1
MAXIMUM INSTANTANEOUS,
13.6 AT 03 23 MST ON SEP 27

SUMMARY FOR THE MONTHS FEB TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 58 27 N
LONG 110 22 00 W
DRAINAGE AREA, 847 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	29 8	JUL	0
FEB	868	AUG	0
MAR	757	SEP	2 740
APR	8 91	OCT	1 550
MAY	2 880	NOV	---
JUN	191	DEC	---

TOTAL DISCHARGE, 8 990 dam³

RUSH LAKE DRAIN NEAR NEW DAYTON - STATION NO 05AF031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.20	0.025	0.018	0	0.088	0.118	0.045	0.259	0.1688	---	1
2	---	---	0.877	0.033	0.018	0	0.053	0.083	0.085	0.389	0.1758	---	2
3	---	---	0.851	0.034	0.018	0	0.013	0.101	0.073	0.061	0.203A	---	3
4	---	---	0.427	0.039	0.042	0	0.006	0.094	0.023	0.025	---	---	4
5	---	---	0.313	0.032	0.141	0	0.088	0.051	0.180	0.022	---	---	5
6	---	---	0.150	0.026	0.462	0	0.289	0.079	0.188	0.023	---	---	6
7	---	---	0.223	0.022	0.388	0	0.284	0.094	0.178	0.022	---	---	7
8	---	---	0.148	0.018	0.181	0	0.156	0.100	0.167	0.021	---	---	8
9	---	---	0.129	0.020	0.112	0.005	0.067	0.107	0.205	0.030	---	---	9
10	---	---	0.085	0.025	0.078	0.048	0.008	0.155	0.243	0.044	---	---	10
11	---	---	0.058	0.022	0.083	0.135	0.006	0.130	0.086	0.121	---	---	11
12	---	---	0.042	0.0218	0.054	0.052	0.005	0.215	0.062	0.101	---	---	12
13	---	---	0.036	0.0228	0.048	0.061	0.029	0.232	0.053	0.107	---	---	13
14	---	---	0.031	0.0258	0.082	0.038	0.103	0.195	0.118	0.112	---	---	14
15	---	---	0.032	0.0308	0.054	0.032	0.151	0.178	0.048	0.115	---	---	15
16	---	---	0.039	0.0408	0.043	0.082	0.083	0.177	0.032	0.120	---	---	16
17	---	---	0.037	0.085	0.026	0.070	0.138	0.180	0.029	0.128	---	---	17
18	---	---	0.052	0.053	0.025	0.142	0.193	0.179	0.026	0.125	---	---	18
19	---	---	0.065	0.044	0.021	0.150	0.075	0.183	0.151	0.100	---	---	19
20	---	---	0.080	0.036	0.018	0.096	0.108	0.158	0.138	0.115	---	---	20
21	---	---	0.080	0.028	0.017	0.105	0.179	0.103	0.131	0.128	---	---	21
22	---	---	0.088	0.024	0.036	0.214	0.255	0.074	0.305	0.135	---	---	22
23	---	---	0.070	0.024	0.040	0.241	0.288	0.179	0.196	0.142	---	---	23
24	---	---	0.077	0.024	0.019	0.077	0.290	0.211	0.289	0.153	---	---	24
25	---	---	0.068	0.023	0.011	0.008	0.345	0.192	0.142	0.158	---	---	25
26	---	---	0.052	0.030	0.007	0.004	0.348	0.148	0.079	0.180	---	---	26
27	---	---	0.040	0.034	0.005	0.001	0.235	0.053	0.012	0.181	---	---	27
28	---	1.78A	0.032	0.030	0.004	0.001	0.221	0.088	0.003	0.167	---	---	28
29	---		0.025	0.024	0.001	0.011	0.191	0.071	0	0.168	---	---	29
30	---		0.022	0.020	0	0.132	0.181	0.089	0	0.1648	---	---	30
31	---		0.023		0		0.203	0.053		0.1628		---	31
TOTAL	---	---	5.190	0.883	1.995	1.882	4.641	4.051	3.243	3.748	---	---	TOTAL
MEAN	---	---	0.187	0.030	0.064	0.058	0.150	0.131	0.108	0.121	---	---	MEAN
MAX	---	---	1.20	0.085	0.462	0.241	0.348	0.232	0.305	0.389	---	---	MAX
MIN	---	---	0.022	0.018	0	0	0.005	0.051	0	0.021	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.104
MAXIMUM DAILY, 1.20 ON MAR 1
MINIMUM DAILY, 0 ON MAY 30
MAXIMUM INSTANTANEOUS,
1.78 AT 11:15 MST ON FEB 28

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 25 57 N
LONG 112 10 40 W
DRAINAGE AREA, 898 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	401
FEB	---	AUG	350
MAR	448	SEP	280
APR	77.2	OCT	324
MAY	172	NOV	---
JUN	145	DEC	---

TOTAL DISCHARGE, 2 200 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS SAME AS THE DISCHARGE MEASUREMENT

RYCROFT SURVEY NO. 3 NEAR RYCROFT - STATION NO. 07FD910

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.585B	0.044B	0.001B	0	0	0	0	0	---	---	1
2	---	---	0.548B	0.040B	0 B	0	0	0	0	0	---	---	2
3	---	---	0.213B	0.037B	0.005B	0	0	0	0	0	---	---	3
4	---	---	0.155B	0.034B	0.004	0	0	0	0	0	---	---	4
5	---	---	---	0.041	0.001	0	0	0	0	0	---	---	5
6	---	---	---	0.041	0	0	0	0	0	0	---	---	6
7	---	---	---	0.034	0	0	0	0	0	0	---	---	7
8	---	---	---	0.023	0	0	0	0	0	0	---	---	8
9	---	---	---	0.007B	0	0	0	0	0	0	---	---	9
10	---	---	---	0.002B	0	0	0	0	0	0	---	---	10
11	---	---	---	0.003B	0	0	0	0	0	0	---	---	11
12	---	---	---	0.005B	0	0	0	0	0	0	---	---	12
13	---	---	---	0.005B	0.006	0	0	0	0	0	---	---	13
14	---	---	---	0.003B	0.088	0	0	0	0	0	---	---	14
15	---	---	---	0.002B	0.090	0	0	0	0	0	---	---	15
16	---	---	---	0 B	0.038	0	0	0	0	0	---	---	16
17	---	---	---	0 B	0.020	0	0	0	0	0	---	---	17
18	---	---	---	0.009	0.011	0	0	0	0	0	---	---	18
19	---	---	---	0.006	0.006	0	0	0	0	0	---	---	19
20	---	---	---	0.004	0.002	0	0	0	0	0	---	---	20
21	---	---	---	0.002	0.001	0	0	0	0	0	---	---	21
22	---	---	0.368B	0.001	0	0	0	0	0	0	---	---	22
23	---	---	0.094B	0	0	0	0	0	0	0	---	---	23
24	---	---	0.050B	0	0	0	0	0	0	0	---	---	24
25	---	---	---	0	0	0	0	0	0	0	---	---	25
26	---	---	---	0.001	0	0	0	0	0	0	---	---	26
27	---	---	0.368B	0	0	0	0	0	0	08	---	---	27
28	---	0.173B	0.222B	0	0	0	0	0	0	08	---	---	28
29	---		0.151B	0.004	0	0	0	0	0	08	---	---	29
30	---		0.091B	0.005B	0	0	0	0	0	08	---	---	30
31	---		0.058B		0		0	0		08		---	31
TOTAL	---	---	---	0.353	0.273	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	---	0.012	0.009	0	0	0	0	0	---	---	MEAN
MAX	---	---	---	0.044	0.090	0	0	0	0	0	---	---	MAX
MIN	---	---	---	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM INSTANTANEOUS,
1.67 AT 15:30 MST ON MAR 1

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REMARKS - DATA FOR 1982 ARE ALSO AVAILABLE

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 45 00 N
LONG 118 35 00 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	---	SEP	0
APR	30.5	OCT	0
MAY	23.5	NOV	---
JUN	0	DEC	---

SADDLE RIVER NEAR WOKING - STATION NO. 07FD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.050B	0.700B	1.88	0.571	0.003	0.023	0.001	0.010	---	---	1
2	---	---	0.100B	0.850B	1.95	0.301	0.002	0.018	0.001	0.009	---	---	2
3	---	---	0.150B	1.37 B	2.37	0.146	0.002	0.010	0.001	0.008	---	---	3
4	---	---	0.350B	1.74 B	11.7	0.071	0.001	0.008	0.001	0.008	---	---	4
5	---	---	0.200B	3.73 B	21.7 A	0.046	0	0.005	0.001	0.008	---	---	5
6	---	---	0.065B	3.55 B	14.3	0.050	0	0.004	0.001	0.007	---	---	6
7	---	---	0.030B	3.37 B	9.65	0.036	0	0.003	0.001	0.007	---	---	7
8	---	---	0.050B	3.29 B	6.47	0.017	0	0.003	0.001	0.007	---	---	8
9	---	---	0.080B	4.32 B	4.12	0.016	0	0.002	0.001	0.007	---	---	9
10	---	---	0.100B	3.22 B	4.26	0.007	0	0.001	0.001	0.006	---	---	10
11	---	---	0.040B	2.05 B	5.95	0.006	0	0.001	0.001	0.006	---	---	11
12	---	---	0.050B	2.71 B	4.73	0.001	0	0.001	0.001	0.005	---	---	12
13	---	---	0.070B	1.90 B	3.69	0.012	0	0.001	0.001	0.004	---	---	13
14	---	---	0.108B	0.950B	5.44	0.020	0.001	0.001	0.001	0.004	---	---	14
15	---	---	0.120B	0.570B	5.95	0.043	0.001	0.001	0.001	0.003	---	---	15
16	---	---	0.080B	0.368B	16.0 A	0.072	0	0.001	0.001	0.003	---	---	16
17	---	0 B	0.048B	0.780	13.0 E	0.086	0	0.001	0.001	0.003	---	---	17
18	---	0 B	0.080B	5.23	10.5 E	0.085	0.001	0.001	0.001	0.002	---	---	18
19	---	0 B	0.080B	5.45	8.00 E	0.087	0.002	0.001	0.001	0.002	---	---	19
20	---	0 B	0.100B	5.88	6.09 A	0.078	0.004	0.001	0.001	0.002	---	---	20
21	---	0 B	1.80 B	6.33	4.90	0.084	0.008	0.001	0.001	0.002	---	---	21
22	---	0 B	2.25 B	4.74	3.71	0.038	0.015	0.001	0.001	0.002	---	---	22
23	---	0 B	1.85 B	3.22	3.08	0.054	0.047	0.001	0.001	0.001	---	---	23
24	---	0 B	1.50 B	2.35	2.89	0.034	0.077	0.001	0.001	0.001	---	---	24
25	---	0 B	0.850B	1.90	2.43	0.050	0.051	0.001	0.001	0.001	---	---	25
26	---	0.040B	1.00 B	1.62	2.17	0.041	0.040	0.001	0.001	0.001	---	---	26
27	---	0.080B	1.50 B	1.50	1.88	0.017	0.025	0.001	0.004	0.001A	---	---	27
28	---	0.130B	2.50 B	1.73	1.76	0.008	0.018	0.001	0.005	0.001E	---	---	28
29	---		3.17 B	2.04	1.47	0.006	0.016	0.001	0.005	0.001E	---	---	29
30	---		2.00 B	2.80	1.07	0.007	0.020	0.001	0.010	0.001E	---	---	30
31	---		0.770B		0.791		0.020	0.001		0.001E		---	31
TOTAL	---	---	21.262	80.258	185.891	2.111	0.355	0.096	0.050	0.124	---	---	TOTAL
MEAN	---	---	0.686	2.68	6.00	0.070	0.011	0.003	0.002	0.004	---	---	MEAN
MAX	---	---	3.17	6.33	21.7	0.571	0.077	0.023	0.010	0.010	---	---	MAX
MIN	---	---	0.030	0.368	0.791	0.001	0	0.001	0.001	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.18
MAXIMUM DAILY, 21.7A ON MAY 5
MINIMUM DAILY, 0 ON JUL 5
MAXIMUM INSTANTANEOUS,
26.1A AT 11:30 MST ON MAY 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 38 39 N
LONG 118 41 51 W
DRAINAGE AREA, 538 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	30.7
FEB	---	AUG	8.29
MAR	1 840	SEP	4.32
APR	6 930	OCT	10.7
MAY	16 100	NOV	---
JUN	182	DEC	---

TOTAL DISCHARGE, 25 100 dam³

SAGE CREEK AT O RANCH NEAR WILDHORSE - STATION NO. 11AA026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	5.61 A	0.168	0	0.059	0.212	0	0	0.606	---	---	1
2	---	---	4.38	0.097	0	0.034	0.072	0	0	0.494	---	---	2
3	---	---	4.01	0.057	0	0.021	0.030	0	0	1.42	---	---	3
4	---	---	2.98	0.036	0	0.012	0.017	0	0	1.31	---	---	4
5	---	---	2.56	0.025	0	0.008	0.007	0	0	0.525	---	---	5
6	---	---	1.86	0.016	0	0.012	0.002	0	0	0.344	---	---	6
7	---	---	1.17	0.010	0	0.035	0	0	0	0.269	---	---	7
8	---	---	0.690	0.005	0	0.052	0	0	0	0.226	---	---	8
9	---	---	0.295	0.002	0	0.201	0	0	0	0.188	---	---	9
10	---	---	0.294	0	0	0.353	0	0	0	0.181	---	---	10
11	---	---	0.409	0	0	0.390	0	0	0	0.157	---	---	11
12	---	---	0.403	0	0	0.204	0	0	0	0.143	---	---	12
13	---	---	0.306	0	0	0.131	0	0	0	0.129	---	---	13
14	---	---	0.198	0	0	0.091	0	0	0	0.117	---	---	14
15	---	---	0.186	0	0	0.066	0	0	0	0.101	---	---	15
16	---	---	0.237	0	0	0.042	0	0	0	0.094	---	---	16
17	---	---	0.216	0	0	0.027	0	0	0	0.086	---	---	17
18	---	---	0.153	0	0.452	0.024	0	0	0	0.078	---	---	18
19	---	---	0.104	0	1.04	0.019	0	0	0	0.069	---	---	19
20	---	---	0.078	0	1.09	0.010	0	0	0	0.063	---	---	20
21	---	---	0.699	0	0.870	0.003	0	0	0	0.058	---	---	21
22	---	---	2.48	0	1.28	0	0	0	0	0.051	---	---	22
23	---	---	1.36	0	2.23	0	0	0	0	0.045	---	---	23
24	---	0 B	0.585	0	3.20	0	0	0	0	0.042	---	---	24
25	---	0.634	0.222	0	1.28	0	0	0	17.9	0.037	---	---	25
26	---	29.6	0.128	0	0.447	0	0	0	51.8	0.034	---	---	26
27	---	21.8	0.077	0	0.258	0	0	0	21.2	0.030	---	---	27
28	---	11.6	0.058	0	0.183	0	0	0	9.32	0.025A	---	---	28
29	---		0.042	0	0.141	0	0	0	2.93	0.025E	---	---	29
30	---		0.106	0	0.105	0.008	0	0	1.11	0.025E	---	---	30
31	---		0.266		0.080		0	0		0.025E		---	31
TOTAL	---	---	32.143	0.416	12.727	1.802	0.340	0	104.28	7.008	---	---	TOTAL
MEAN	---	---	1.04	0.014	0.411	0.060	0.011	0	3.48	0.226	---	---	MEAN
MAX	---	---	5.61	0.168	3.20	0.390	0.212	0	51.8	1.42	---	---	MAX
MIN	---	---	0.042	0	0	0	0	0	0	0.025	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.648
MAXIMUM DAILY, 51.8 ON SEP 26
MINIMUM DAILY, 0 ON APR 10
MAXIMUM INSTANTANEOUS,
74.2 AT 01 30 MST ON SEP 26

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 06 29 N
LONG 110 13 23 W
DRAINAGE AREA, 456 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	29 4
FEB	---	AUG	0
MAR	2 780	SEP	9 010
APR	35 9	OCT	605
MAY	1 100	NOV	---
JUN	156	DEC	---

TOTAL DISCHARGE, 13 700 dam³

SAKWATAMAU RIVER NEAR WHITECOURT - STATION NO 07AH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.600B	0.700B	20.6	11.9	4.77	7.82	1.50	9.63	2.15B	---	1
2	---	---	0.615B	0.700B	17.8	10.1	4.13	6.84	1.54	9.65	4.61B	---	2
3	---	---	0.640B	0.710B	17.5	8.25	3.70	6.29	1.58	9.34	5.38B	---	3
4	---	---	0.665B	0.720B	19.1	7.56	3.42	18.6	1.78	10.1	6.02B	---	4
5	---	---	0.677B	0.740B	22.9	7.15	4.05	24.1	1.94	31.3	---	---	5
6	---	---	0.719B	0.770B	26.7	6.43	8.48	16.4	1.79	25.6	---	---	6
7	---	---	0.784B	0.840B	28.9	5.72	7.51	11.9	1.82	18.9	---	---	7
8	---	---	0.828B	1.00 B	30.1	5.29	6.32	9.26	1.68	16.9	---	---	8
9	---	---	0.834B	2.79 B	31.5	4.78	5.66	7.47	1.56	15.3	---	---	9
10	---	---	0.833B	12.2 B	30.7	4.24	5.42	6.66	1.55	13.0	---	---	10
11	---	---	0.855B	9.02 B	28.4	4.55	5.95	5.96	2.48	11.2	---	---	11
12	---	---	0.815B	7.50 B	25.7	6.15	8.05	5.30	4.70	9.90	---	---	12
13	---	---	0.848B	6.50 B	24.2	5.75	7.47	4.65	6.09	8.97	---	---	13
14	---	---	0.857B	6.10 B	23.1	5.46	12.3	3.90	5.07	8.26	---	---	14
15	---	---	0.904B	6.00 B	22.3	5.45	17.5	3.48	4.26	7.61	---	---	15
16	---	---	1.20 B	5.98 B	20.0	5.26	20.0	3.05	3.90	7.09	---	---	16
17	---	---	1.18 B	5.99 B	19.1	7.63	24.7	2.76	3.60	6.72	---	---	17
18	---	---	0.923B	6.20 B	19.4	8.77	38.5	2.61	3.39	6.34	---	---	18
19	---	---	0.800B	7.40 B	18.1	16.0	53.2	2.38	3.13	6.00	---	---	19
20	---	---	0.750B	13.0 B	17.6	26.9	33.2	2.20	2.96	5.71	---	---	20
21	---	---	0.730B	27.0 B	18.1	22.8	22.4	2.17	2.68	5.41	---	---	21
22	---	---	0.710B	30.0 B	22.4	15.8	16.8	2.09	2.55	5.23	---	---	22
23	---	---	0.700B	29.6	30.7	11.3	13.7	2.01	2.45	4.98	---	---	23
24	---	---	0.680B	25.9	31.7	10.1	18.6	1.93	2.39	4.85	---	---	24
25	---	---	0.680B	22.5	28.1	9.85	18.7	1.91	2.58	4.55	---	---	25
26	---	---	0.680B	21.4	22.8	8.39	14.1	1.83	3.24	4.42	---	---	26
27	---	---	0.690B	26.0	19.3	7.45	11.8	1.78	5.18	4.42	---	---	27
28	---	---	0.690B	32.2	18.0	6.85	12.1	1.72	9.49	4.50	---	---	28
29	---		0.690B	31.2	16.2	6.01	11.0	1.63	11.7	4.53	---	---	29
30	---		0.690B	26.3	14.6	5.41	9.78	1.50	10.3	4.22B	---	---	30
31	---		0.690B		13.1		8.82	1.49		2.80B		---	31
TOTAL	---	---	23.978	386.980	696.7	271.20	430.11	189.83	108.89	267.24	---	---	TOTAL
MEAN	---	---	0.773	12.2	22.5	9.04	13.9	5.48	3.63	9.27	---	---	MEAN
MAX	---	---	1.20	32.2	31.7	28.9	53.2	24.1	11.7	31.3	---	---	MAX
MIN	---	---	0.600	0.700	13.1	4.24	3.42	1.49	1.50	2.80	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.61
MAXIMUM DAILY, 53.2 ON JUL 19
MINIMUM DAILY, 0.600B ON MAR 1
MAXIMUM INSTANTANEOUS,
61.6 AT 02 45 MST ON JUL 19

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 12 05 N
LONG 115 46 40 W
DRAINAGE AREA, 440 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	37 200
FEB	---	AUG	14 700
MAR	2 070	SEP	9 410
APR	31 700	OCT	24 800
MAY	80 200	NOV	---
JUN	23 400	DEC	---

TOTAL DISCHARGE, 203 000 dam³

SALT CREEK NEAR GROUARD - STATION NO 07DF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0308	1.39 B	1.16	1.01	0.127	0.047	0.006	0.0902	---	---	1
2	---	---	0.0420	1.19 B	1.24	0.868	0.116	0.389	0.005	0.1892	---	---	2
3	---	---	0.0478	1.27 B	1.56	0.554	0.095	0.277	0.004	0.1808	---	---	3
4	---	---	0.0528	1.50 B	1.52	0.542	0.092	0.214	0.005	0.1208	---	---	4
5	---	---	0.0600	2.04 B	1.53	0.524	0.151	0.201	0.004	0.1752	---	---	5
6	---	---	0.0708	2.05 B	1.48	0.435	0.185	0.171	0.004	0.1502	---	---	6
7	---	---	0.0648	2.34 B	1.41	0.422	0.207	0.143	0.005	0.1302	---	---	7
8	---	---	0.0768	2.46 B	1.36	0.420	0.165	0.141	0.013	0.1202	---	---	8
9	---	---	0.0690	2.95 B	1.28	0.346	0.120	0.085	0.013	0.1068	---	---	9
10	---	---	0.0348	2.53 B	1.14	0.332	0.099	0.087	0.012	0.103	---	---	10
11	---	---	0.0508	1.91 B	1.33	0.234	0.085	0.080	0.033	0.301	---	---	11
12	---	---	0.0548	1.43 B	1.90	0.243	0.561	0.081	0.085	0.231	---	---	12
13	---	---	0.1718	1.22 B	1.39	0.286	0.810	0.077	0.037	0.090	---	---	13
14	---	---	0.1528	0.9838	1.84	0.244	0.478	0.0722	0.022	0.113	---	---	14
15	---	---	0.1389	0.8508	1.93	0.227	0.885	0.0672	0.017	0.121	---	---	15
16	---	---	0.1258	0.8098	1.58	0.210	1.87	0.0622	0.018	0.281	---	---	16
17	---	---	0.1169	1.00 B	1.50	0.163	3.77	0.0572	0.018	0.208	---	---	17
18	---	---	0.1578	1.55 B	1.17	0.198	2.82	0.0522	0.015	0.112	---	---	18
19	---	---	0.1028	1.93 B	1.13	0.217	2.18	0.0472	0.015	0.101	---	---	19
20	---	---	0.1038	2.08	1.13	0.217	1.91	0.0422	0.016	0.087	---	---	20
21	---	---	0.2408	2.13	1.25	0.471	1.18	0.0388	0.015	0.088	---	---	21
22	---	---	0.3668	2.23	2.43	0.824	1.04	0.0338	0.016	0.080	---	---	22
23	---	---	0.4088	2.13	3.71	0.801	2.38	0.0288	0.015	0.100	---	---	23
24	---	---	0.2948	1.77	2.43	0.432	1.50	0.0238	0.017	0.093	---	---	24
25	---	---	0.2018	1.27	2.85	0.343	0.851	0.018E	0.017	0.118	---	---	25
26	---	---	0.1628	1.24	2.40	0.238	0.580	0.013E	0.018	0.102	---	---	26
27	---	---	0.4508	1.32	1.93	0.261	0.513	0.008A	0.021	0.084	---	---	27
28	---	0.0348	1.61 B	1.16	2.11	0.195	0.478	0.009	0.021	0.0958A	---	---	28
29	---		1.81 B	1.06	1.54	0.171	0.501	0.007	0.029	0.0908	---	---	29
30	---		1.73 B	1.17	1.18	0.158	0.474	0.025	0.0458	0.0858	---	---	30
31	---		1.49 B		1.16		0.768	0.008		0.0808		---	31
TOTAL	---	---	10.498	48.072	52.00	10.920	25.580	3.413	0.340	4.111	---	---	TOTAL
MEAN	---	---	0.339	1.84	1.68	0.364	0.858	0.110	0.013	0.133	---	---	MEAN
MAX	---	---	1.81	2.95	3.71	1.01	3.77	0.847	0.085	0.301	---	---	MAX
MIN	---	---	0.038	0.809	1.13	0.158	0.085	0.007	0.004	0.080	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.561
MAXIMUM DAILY, 3.77 ON JUL 17
MINIMUM DAILY, 0.004 ON SEP 3
MAXIMUM INSTANTANEOUS,
6.93 AT 07 00 MST ON JUL 17

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 36 28 N
LONG 116 06 27 W
DRAINAGE AREA, 426 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 290
FEB	---	AUG	295
MAR	967	SEP	44.7
APR	4 240	OCT	369
MAY	4 490	NOV	---
JUN	943	DEC	---

TOTAL DISCHARGE, 13 900 dam³

SAW LAKE TRIBUTARY NEAR SCHULER - STATION NO 05AH047

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0	0	0	0	0	0	0	0	0	---	1
2	---	0 B	0	0	0	0	0	0	0	0	0	---	2
3	---	0 B	0	0	0	0	0	0	0	0	0	---	3
4	---	0 B	0	0	0	0	0	0	0	0	0	---	4
5	---	0 B	0	0	0	0	0	0	0	0	0A	---	5
6	---	0 B	0	0	0	0	0	0	0	0	---	---	6
7	---	0 B	0	0	0	0	0	0	0	0	---	---	7
8	---	0 B	0	0	0	0	0	0	0	0	---	---	8
9	---	0 B	0	0	0	0	0	0	0	0	---	---	9
10	---	0 B	0	0	0	0	0	0	0	0	---	---	10
11	---	0 B	0	0	0	0	0	0	0	0	---	---	11
12	---	0 B	0	0	0	0	0	0	0	0	---	---	12
13	---	0 B	0	0	0	0	0	0	0	0	---	---	13
14	---	0 B	0	0	0	0	0	0	0	0	---	---	14
15	---	0 B	0	0	0	0	0	0	0	0	---	---	15
16	---	0 B	0	0	0	0	0	0	0	0	---	---	16
17	---	0 B	0	0	0	0	0	0	0	0	---	---	17
18	---	0 B	0	0	0	0	0	0	0	0	---	---	18
19	---	0 B	0	0	0	0	0	0	0	0	---	---	19
20	---	0 B	0	0	0	0	0	0	0	0	---	---	20
21	---	0 B	0	0	0	0	0	0	0	0	---	---	21
22	---	0 B	0	0	0	0	0	0	0	0	---	---	22
23	---	0 B	0	0	0	0	0	0	0	0	---	---	23
24	---	0.0028	0	0	0	0	0	0	0	0	---	---	24
25	---	0.0348	0	0	0	0	0	0	0	0	---	---	25
26	---	0.0078	0	0	0	0	0	0	0	0	---	---	26
27	---	0.001	0	0	0	0	0	0	0	0	---	---	27
28	0B	0	0	0	0	0	0	0	0	0	---	---	28
29	0B		0	0	0	0	0	0	0	0	---	---	29
30	0B		0	0	0	0	0	0	0	0	---	---	30
31	0B		0		0		0	0		0		---	31
TOTAL	---	0.035	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	0.001	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	0.024	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.0348 ON FEB 25
MINIMUM DAILY, 0B ON FEB 1
MAXIMUM INSTANTANEOUS,
0.0559 AT 01 17 MST ON FEB 25

SUMMARY FOR THE MONTHS FEB TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 09 43 N
LONG 110 15 39 W

A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	3.02	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 3.02 dam³

SAND RIVER NEAR THE MOUTH - STATION NO. 06AB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.240	2.850	11.3	13.5	7.87	50.2	7.03	2.72	3.100	---	1
2	---	---	1.240	2.530	11.0	13.0	7.30	48.3	6.71	2.75	2.210	---	2
3	---	---	1.240	2.750	11.0	12.8	8.85	47.3	6.54	2.75	2.210	---	3
4	---	---	1.240	2.200	11.5	11.9	8.58	44.9	6.31	2.86	2.870	---	4
5	---	---	1.240	2.580	12.3	11.1	8.58	41.9	6.01	2.90	---	---	5
6	---	---	1.250	4.140	13.2	10.8	8.49	39.3	5.68	2.89	---	---	6
7	---	---	1.250	4.370	13.3	10.3	8.58	36.6	5.95	2.91	---	---	7
8	---	---	1.250	4.640	13.5	9.91	8.83	33.9	5.37	2.92	---	---	8
9	---	---	1.250	5.050	13.6	9.76	7.19	31.5	5.06	2.85	---	---	9
10	---	---	1.250	5.380	13.4	9.32	7.40	29.3	4.85	2.89	---	---	10
11	---	---	1.250	5.480	13.1	7.89	7.28	27.7	4.80	2.98	---	---	11
12	---	---	1.250	5.450	12.7	7.90	7.80	25.8	4.84	2.90	---	---	12
13	---	---	1.250	5.960	12.7	8.17	8.28	23.9	4.41	2.71	---	---	13
14	---	---	1.250	5.560	12.8	8.24	9.77	21.9	4.20	2.92	---	---	14
15	---	---	1.260	5.280	12.8	8.62	10.5	20.1	4.20	2.97	---	---	15
16	---	---	1.280	5.310	12.3	8.86	14.3	18.3	4.17	2.92	---	---	16
17	---	---	1.320	5.110	11.4	8.69	20.7	16.6	4.04	2.88	---	---	17
18	---	---	1.360	4.920	11.0	8.41	33.6	15.2	3.93	2.80	---	---	18
19	---	---	1.470	4.720	11.0	8.19	47.2	14.5	3.84	2.75	---	---	19
20	---	---	1.470	5.090	10.7	7.71	57.8	13.7	3.70	2.71	---	---	20
21	---	---	1.610	5.470	10.3	7.86	63.7	12.7	3.65	3.65	---	---	21
22	---	---	1.610	11.3 0	10.6	7.68	67.6	12.0	3.59	3.61	---	---	22
23	---	---	1.600	17.5 0	11.7	7.51	69.3	11.3	3.55	3.57	---	---	23
24	---	---	1.590	16.1	12.4	8.42	69.0	11.0	3.51	3.52	---	---	24
25	---	1.240	1.910	15.2	13.2	8.71	66.9	10.5	3.41	3.57	---	---	25
26	---	1.240	2.130	14.8	14.6	8.89	63.6	9.89	3.47	3.61	---	---	26
27	---	1.240	2.210	14.1	15.0	8.71	60.6	9.24	3.61	3.61	---	---	27
28	---	1.240	2.100	13.2	15.0	8.76	57.3	8.82	3.60	3.58	---	---	28
29	---	---	2.250	12.0	14.7	8.74	54.1	8.30	3.61	3.188	---	---	29
30	---	---	2.300	11.6	14.3	8.36	51.2	7.87	3.60	2.729	---	---	30
31	---	---	2.560		13.9		49.6	7.27		2.290		---	31
TOTAL	---	---	48.26	227.72	390.1	276.94	993.80	710.99	127.97	112.88	---	---	TOTAL
MEAN	---	---	1.56	7.59	12.6	9.22	31.0	22.9	4.59	3.67	---	---	MEAN
MAX	---	---	2.54	17.5	15.0	13.5	69.3	90.2	7.03	3.98	---	---	MAX
MIN	---	---	1.25	2.63	10.3	7.51	6.49	7.27	3.41	2.29	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.7
MAXIMUM DAILY, 69.3 ON JUL 23
MINIMUM DAILY, 1.250 ON MAR 6
MAXIMUM INSTANTANEOUS,
69.8 AT 16:47 MST ON JUL 23

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 28 16 N
LONG 111 11 06 W
DRAINAGE AREA, 4 910 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	82 900
FEB	---	AUG	61 400
MAR	6 170	SEP	11 900
APR	19 700	OCT	9 840
MAY	33 700	NOV	---
JUN	23 800	DEC	---

TOTAL DISCHARGE, 348 000 dam³

SAULTEAUX RIVER NEAR SPURFIELD - STATION NO. 07BA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1230	0.2510	21.3A	15.5	8.09	19.7	1.53 A	5.26	---	---	1
2	---	---	0.1240	0.2470	20.3	13.4	5.61	17.7	1.44 E	5.95	---	---	2
3	---	---	0.1300	0.3520	27.0	11.7	4.82	15.8	1.34 E	5.82	---	---	3
4	---	---	0.1310	4.21 B	26.1	10.3	4.45	15.5	1.22 E	5.95	---	---	4
5	---	---	0.1430	4.32 B	25.2	9.13	4.13	15.3	1.26 E	9.85	---	---	5
6	---	---	0.1400	3.26 B	25.0	8.16	3.82	19.0	1.24 E	6.15	---	---	6
7	---	---	0.1360	4.21 B	27.4	7.31	4.21	18.3	1.30 E	8.80	---	---	7
8	---	---	0.1370	7.27 B	27.6	6.69	6.81	19.5	1.23 E	9.10	---	---	8
9	---	---	0.1370	10.0 B	27.6	6.09	8.17	13.5	1.18 E	9.00	---	---	9
10	---	---	0.1400	11.6 B	31.2	5.92	9.48	11.4	1.13 E	9.88	---	---	10
11	---	---	0.1430	12.8 B	31.9	5.23	9.30	9.95	1.10 E	9.93	---	---	11
12	---	---	0.1460	10.6 B	31.2	5.09	9.17	8.65	1.07 E	9.71	---	---	12
13	---	---	0.1500	9.32 B	29.3	5.37	8.80	7.75	1.15 E	8.92	---	---	13
14	---	---	0.1540	7.25 B	26.2	7.21	7.88	6.84	1.24 E	8.11	---	---	14
15	---	---	0.1590	6.78 B	25.1	7.65	8.70	6.08	1.40 E	7.82	---	---	15
16	---	---	0.1650	7.21 B	24.9	8.77	11.8	5.41	1.30 E	8.98	---	---	16
17	---	---	0.1670	7.84 B	22.6	9.98	27.9	4.82	1.15 E	8.52	---	---	17
18	---	---	0.1700	8.51 B	19.8	9.48	42.3	4.49	1.08 E	8.07	---	---	18
19	---	---	0.1780	12.2	18.2	9.60	57.5	4.23	1.02 E	9.85	---	---	19
20	---	---	0.1860	22.4	17.5	9.90	69.1	3.72	0.9902	9.28	---	---	20
21	---	---	0.1950	21.2	16.4	16.5	74.2	3.34	0.970E	8.95	---	---	21
22	---	---	0.2030	21.2	15.3	27.9	69.3	3.00	0.950E	8.67	---	---	22
23	---	---	0.2068	23.7 A	23.2	21.5	55.2	2.74	0.940E	8.81	---	---	23
24	---	---	0.2058	25.0 E	27.5	16.3	44.7	2.53	0.930A	8.34	---	---	24
25	---	---	0.2168	27.0 E	46.4	12.8	40.0	2.29	1.01	8.09	---	---	25
26	---	0.0980	0.2309	20.5 E	36.5	11.2	39.8	2.10	1.03	3.93	---	---	26
27	---	0.1030	0.2408	17.5 E	30.6	9.84	32.3	1.97	1.13	3.75	---	---	27
28	---	0.1110	0.2590	15.0 E	25.5	8.46	28.0	1.84	1.30	3.658A	---	---	28
29	---		0.2780	23.5 E	22.5	7.60	27.2	1.75	1.47	3.602	---	---	29
30	---		0.2848	28.0 E	19.8	6.82	25.2	1.70	3.06	3.558	---	---	30
31	---		0.2770		17.8		23.6	1.84		3.502		---	31
TOTAL	---	---	5.956	276.250	614.4	294.83	748.84	249.00	37.250	180.78	---	---	TOTAL
MEAN	---	---	0.176	12.5	26.3	9.82	24.2	8.03	1.24	5.15	---	---	MEAN
MAX	---	---	0.284	28.0	46.4	27.9	74.2	19.7	3.06	9.98	---	---	MAX
MIN	---	---	0.123	0.247	15.3	5.09	3.82	1.84	0.930	3.50	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.1
MAXIMUM DAILY, 74.2 ON JUL 21
MINIMUM DAILY, 0.1230 ON MAR 1
MAXIMUM INSTANTANEOUS,
78.3 AT 15:00 MST ON JUL 21

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 03 20 N
LONG 114 14 10 W
DRAINAGE AREA, 2 800 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	64 000
FEB	---	AUG	21 500
MAR	480	SEP	3 220
APR	32 500	OCT	15 500
MAY	76 400	NOV	---
JUN	25 500	DEC	---

TOTAL DISCHARGE, 235 000 dam³

SAWRIDGE CREEK NEAR SLAVE LAKE - STATION NO. 07BK005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.478B	0.760B	2.04	2.95	1.37	2.78	0.550E	3.24	---	---	1
2	---	---	0.572B	0.450B	2.77	2.80	1.19	2.34	0.755E	2.89	---	---	2
3	---	---	0.608B	0.542B	4.22	2.42	1.05	2.19	0.800E	2.54	---	---	3
4	---	---	0.644B	1.26 B	5.46	2.23	1.06	7.03	0.628E	2.45	---	---	4
5	---	---	0.560B	2.03 B	6.95	1.98	3.49	4.03	0.535E	2.02	---	---	5
6	---	---	0.380B	2.78 B	6.00	1.80	3.18	2.61	0.480E	2.58	---	---	6
7	---	---	0.316B	2.26 B	6.11	1.63	2.36	2.83	0.440E	2.73	---	---	7
8	---	---	0.282B	2.25 B	5.62	1.62	1.91	2.27	0.405E	2.67	---	---	8
9	---	---	0.257B	4.52 B	6.52	1.38	1.68	1.88	0.380E	2.49	---	---	9
10	---	---	0.244B	3.11 B	5.36	1.13	1.41	1.71	0.355E	2.29	---	---	10
11	---	---	0.248B	1.96 B	5.08	1.29	1.43	1.50	0.455E	2.02	---	---	11
12	---	---	0.253B	1.86 B	5.18	2.76	1.89	1.37	0.630E	1.88	---	---	12
13	---	---	0.257B	1.57 B	4.95	2.62	1.77	1.07	0.605E	1.72	---	---	13
14	---	---	0.262B	1.12 B	5.15	2.65	2.18	0.907	0.465E	1.61	---	---	14
15	---	---	0.262B	0.697B	5.30	1.70	7.03	0.810	0.455E	1.45	---	---	15
16	---	---	0.288B	0.594B	4.29	1.82	18.7	1.12	0.460E	1.35	---	---	16
17	---	---	0.302B	0.940B	4.10	1.38	22.2	1.11	0.445E	1.38	---	---	17
18	---	---	0.304B	2.12 B	4.34	1.44	59.9	0.804	0.415E	1.15	---	---	18
19	---	---	0.344B	3.31	4.27	5.70	24.2	0.684	0.385E	1.09	---	---	19
20	---	---	0.367B	4.43	4.16	6.08	13.2	0.603	0.370E	1.05	---	---	20
21	---	---	0.396B	6.22	4.44	5.90	8.07	0.596	0.375E	1.00	---	---	21
22	---	---	0.429B	5.31	10.6	5.56	5.27	0.585	0.360E	0.950	---	---	22
23	---	---	0.444B	3.65	11.2	3.97	5.45	0.580	0.405E	0.900	---	---	23
24	---	---	0.406B	2.83	6.43	3.31	5.15	0.632	0.418A	0.853	---	---	24
25	---	---	0.292B	2.42	6.39	2.74	4.67	0.629	0.400	0.821	---	---	25
26	---	---	0.280B	3.04	5.63	2.43	4.04	0.584	0.679	0.817	---	---	26
27	---	---	0.426B	4.03	4.64	2.57	4.23	0.565	3.21	0.795	---	---	27
28	---	0.282B	0.671B	4.68	4.31	2.09	4.15	0.606A	4.38	0.650B	---	---	28
29	---	0.413B	0.750B	5.18	2.78	1.61	3.59	0.636E	3.70	0.649B	---	---	29
30	---		0.708B	3.08	3.63	1.54	3.28	0.650E	3.13	0.541B	---	---	30
31	---		0.765B		3.15		3.21	0.610E		0.535B		---	31
TOTAL	---	---	12.594	81.383	169.40	82.17	223.47	49.990	27.860	50.512	---	---	TOTAL
MEAN	---	---	0.406	2.71	5.46	2.74	7.21	1.56	0.930	1.63	---	---	MEAN
MAX	---	---	0.765	6.22	11.2	6.08	59.9	7.03	4.38	3.24	---	---	MAX
MIN	---	---	0.244	0.450	2.77	1.13	1.05	0.580	0.355	0.535	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.84
MAXIMUM DAILY, 59.9 ON JUL 18
MINIMUM DAILY, 0.244B ON MAR 10
MAXIMUM INSTANTANEOUS,
73.7 AT 10:00 MST ON JUL 18

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 17 00 N
LONG 114 46 30 W
DRAINAGE AREA, 232 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	19 300
FEB	---	AUG	4 290
MAR	1 090	SEP	2 410
APR	7 030	OCT	4 360
MAY	14 600	NOV	---
JUN	7 100	DEC	---

TOTAL DISCHARGE, 60 100 dam³

SEVEN PERSONS CREEK AT MEDICINE HAT - STATION NO. 05AH005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.265	1.15	3.35	1.63	1.85	3.12	0.267	---	1
2	---	---	---	---	0.256	1.12	2.34	1.02	1.90	3.26	0.299	---	2
3	---	---	---	---	0.282	1.02	1.70	1.56	1.73	3.22	0.285	---	3
4	---	---	---	---	0.352	1.07	1.65	1.95	1.37	3.05	0.297	---	4
5	---	---	---	---	0.505	0.931	1.49	2.14	1.46	2.91	0.362A	---	5
6	---	---	---	---	0.470	1.30	1.77	2.21	1.46	2.87	---	---	6
7	---	---	---	---	0.380	1.55	1.63	1.91	1.33	2.78	---	---	7
8	---	---	---	---	0.339	2.07	1.68	1.81	1.29	2.63	---	---	8
9	---	---	---	---	0.351	2.22	1.61	1.83	1.37	2.72	---	---	9
10	---	---	---	---	0.387	1.67	1.60	1.60	1.30	2.74	---	---	10
11	---	---	---	---	0.370	1.22	1.80	2.02	1.31	2.34	---	---	11
12	---	---	---	---	0.319	1.13	2.12	1.91	0.976	1.67	---	---	12
13	---	---	---	---	0.307	1.22	2.55	1.87	0.930	1.16	---	---	13
14	---	---	---	---	0.446	0.934	2.83	2.04	1.02	0.997	---	---	14
15	---	---	---	---	0.717	1.36	2.56	2.00	1.08	0.849	---	---	15
16	---	---	---	---	0.652	1.51	2.35	1.93	1.37	0.800	---	---	16
17	---	---	---	---	0.552	1.42	2.04	1.66	1.07	0.770	---	---	17
18	---	---	---	---	0.504	1.50	2.02	1.67	1.60	0.763	---	---	18
19	---	---	---	---	0.452	2.32	2.48	1.76	1.60	0.763	---	---	19
20	---	---	---	---	0.428	2.47	2.59	1.75	1.00	0.730	---	---	20
21	---	---	---	---	0.638	1.82	2.68	1.67	1.70	0.717	---	---	21
22	---	---	---	---	0.707	1.50	2.07	1.58	1.60	0.685	---	---	22
23	---	---	---	0.310A	0.628	1.25	1.83	1.76	1.47	0.343	---	---	23
24	---	---	---	0.309	0.862	1.27	1.64	1.88	1.90	0.286	---	---	24
25	---	---	---	0.278	0.666	1.29	1.90	1.88	8.18	0.276	---	---	25
26	---	---	---	0.279	0.667	1.42	2.16	1.93	10.7	0.286	---	---	26
27	---	---	---	0.282	1.06	1.37	2.12	1.84	6.88	0.283	---	---	27
28	---	---	---	0.272	1.05	1.65	2.03	1.74	5.01	0.234	---	---	28
29	---		---	0.264	1.16	2.35	2.00	1.88	4.54	0.238	---	---	29
30	---		---	0.267	1.15	2.33	2.05	1.66	3.55	0.328	---	---	30
31	---		---		1.30		1.85	1.64		0.288		---	31
TOTAL	---	---	---	---	18.302	46.677	66.33	55.06	74.726	52.742	---	---	TOTAL
MEAN	---	---	---	---	0.590	1.56	2.20	1.87	2.49	1.61	---	---	MEAN
MAX	---	---	---	---	1.30	2.33	3.35	2.40	10.7	3.26	---	---	MAX
MIN	---	---	---	---	0.256	0.931	1.49	1.56	0.930	0.234	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.86
MAXIMUM DAILY, 10.7 ON SEP 26
MINIMUM DAILY, 0.234 ON OCT 28

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 25 N
LONG 110 41 02 W
DRAINAGE AREA, 2 270 km²
A - MANUAL GAUGE

REGULATED SINCE 1956

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	5 800
FEB	---	AUG	5 030
MAR	---	SEP	6 460
APR	---	OCT	3 700
MAY	1 580	NOV	---
JUN	4 030	DEC	---

TOTAL DISCHARGE, 26 600 dam³

SHEEP COULEE NEAR CARSTAIRS - STATION NO. 05CE019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.013	0	0	0.001	0.002	0.013	0	0.098	0.008	---	1
2	---	---	0.012	0	0	0	0.014	0.011	0	0.088	0.009	---	2
3	---	---	0.006	0	0	0	0.013	0.008	0.001	0.076	0.009	---	3
4	---	---	0.003	0	0	0	0.008	0.008	0.001	0.061	0.008A	---	4
5	---	---	0.001	[illegible]	0	0	0.005	0.006	0.001	0.048	---	---	5
6	---	---	0.001	[illegible]	0.001	0	0.003	0.006	0.001	0.039	---	---	6
7	---	---	0.003	[illegible]	0.001	0	0.002	0.005	0.005	0.031	---	---	7
8	---	---	0.003	[illegible]	0	0	0.001	0.005	0.007	0.025	---	---	8
9	---	---	0	0	0	0	0.001	0.004	0.007	0.023	---	---	9
10	---	---	0	0	0.002	0	0.001	0.003	0.005	0.020	---	---	10
11	---	---	0	0	0.006	0	0.001	0.002	0.004	0.018	---	---	11
12	---	---	0	0	0.009	0	0.001	0.001	0.003	0.017	---	---	12
13	---	---	0	0	0.011	0	0.001	0.001	0.002	0.015	---	---	13
14	---	---	0	0	0.103	0	0	0	0.002	0.015	---	---	14
15	---	---	0	0	0.109	0	0.002	0	0.002	0.013	---	---	15
16	---	---	0	0	0.022	0	0.001	0	0.001	0.011	---	---	16
17	---	---	0	0	0.262	0	0.011	0	0.007	0.010	---	---	17
18	---	---	0	0	0.300	0	0.037	0	0.007	0.010	---	---	18
19	---	---	0	0	0.391	0	0.076	0	0.017	0.009	---	---	19
20	---	---	0	0	0.266	0	0.045	0	0.021	0.008	---	---	20
21	---	---	0	0	0.188	0	0.034	0	0.017	0.009	---	---	21
22	---	---	0	0	0.109	0	0.026	0	0.014	0.009	---	---	22
23	---	---	0	0	0.070	0	0.020	0	0.012	0.008	---	---	23
24	---	---	0	0	0.081	0	0.016	0	0.010	0.007	---	---	24
25	---	---	0	0	0.037	0	0.012	0	0.057	0.008	---	---	25
26	---	---	0	0	0.025	0	0.010	0	0.463	0.007	---	---	26
27	---	0.019A	0	0	0.017	0	0.011	0	0.425	0.007	---	---	27
28	---	0.018A	0	0	0.012	0	0.011	0	0.247	0.008	---	---	28
29	---		0	0	0.008	0.001	0.018	0	0.166	0.008	---	---	29
30	---		0	0	0.004	0.001	0.018	0	0.107	0.009	---	---	30
31	---		0		0.003		0.016	0		0.008		---	31
TOTAL	---	---	0.003	0	1.880	0.003	0.421	0.074	1.502	0.725	---	---	TOTAL
MEAN	---	---	0.001	0	0.062	0	0.014	0.002	0.052	0.023	---	---	MEAN
MAX	---	---	0.013	0	0.391	0.001	0.076	0.013	0.463	0.098	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0.007	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.020
MAXIMUM DAILY, 0.463 ON SEP 26
MINIMUM DAILY, 0 ON MAR 9
MAXIMUM INSTANTANEOUS,
0.585 AT 16:20 MST ON SEP 26

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 33 44 N
LONG 114 02 09 W
DRAINAGE AREA, 38.3 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	36.4
FEB	---	AUG	6.39
MAR	3.72	SEP	130
APR	0	OCT	62.6
MAY	168	NOV	---
JUN	0.26	DEC	---

TOTAL DISCHARGE, 415 dam³

SHEEP RIVER AT BLACK DIAMOND - STATION NO. 05BL014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.990B	0.942B	2.38B	1.72B	1.82	24.0	8.81	4.62	6.40	10.6	4.23	1.80B	1
2	1.00 B	0.925B	2.88B	1.83B	1.81	22.0	8.89	4.43	5.45	10.1	4.41	1.48B	2
3	1.00 B	0.908B	2.76B	1.42B	2.22	18.6	8.52	4.28	4.89	9.28	4.30	1.35B	3
4	1.01 B	0.883B	2.38B	1.61B	4.02	15.8	7.98	4.45	4.61	9.31	4.18	1.32B	4
5	1.01 B	0.870B	1.01B	1.77B	4.81	17.0	7.64	4.38	4.92	10.3	3.96	1.35B	5
6	1.02 B	0.868B	1.20B	1.61B	4.94	20.1	7.61	4.89	4.54	12.4	3.86	1.37B	6
7	1.13 B	0.850B	1.00B	1.96B	5.03	9.9	8.88	4.14	4.47	12.6	3.89	1.39B	7
8	1.31 B	0.846B	1.18B	2.28B	5.13	18.6	8.80	3.86	4.41	12.5	3.55	1.47B	8
9	1.52 B	0.827B	1.50B	2.04B	5.29	18.1	7.37	4.25	5.02	11.2	3.12	1.56B	9
10	1.68 B	0.826B	1.98B	2.60B	6.03	15.8	8.87	4.02	5.19	10.4	2.60B	1.72B	10
11	1.70 B	0.815B	2.10B	1.99B	7.44	14.8	6.28	4.32	5.45	9.42	2.50B	1.85B	11
12	1.59 B	0.802B	2.24B	1.46B	7.77	13.6	5.67	4.31	5.17	8.71	2.90B	1.93B	12
13	1.40 B	0.792B	2.28B	1.50B	7.67	13.0	5.74	6.65	4.89	8.12	3.40B	1.88B	13
14	1.18 B	0.782B	2.17B	1.76B	7.37	11.6	5.29	5.78	4.75	7.56	3.85B	1.93B	14
15	0.997B	0.773B	1.60B	1.61B	6.87	12.0	5.10	5.81	4.55	7.11	4.18B	1.86B	15
16	0.967B	0.766B	1.60B	1.72	6.78	11.2	5.49	5.17	4.70	6.74	4.30B	1.79B	16
17	0.950B	0.758B	1.66B	1.65	7.50	9.90	6.22	4.75	5.41	6.47	4.30B	1.80B	17
18	0.930B	0.748B	1.51B	1.60	8.39	9.82	6.44	4.35	5.25	6.23	4.20B	1.81B	18
19	0.908B	0.757B	1.35B	1.92	11.3	9.34	6.77	4.08	5.19	5.92	4.10B	1.87B	19
20	0.882B	0.769B	1.19B	2.63	16.6	8.88	6.67	3.90	5.11	5.66	3.85B	1.88B	20
21	0.885B	0.792B	1.18B	2.63	20.3	7.60	5.14	3.63	4.95	5.44	3.65B	2.05B	21
22	0.855B	0.826B	1.75B	4.49	21.2	7.10	5.02	3.44	4.55	5.23	3.42B	2.18B	22
23	0.861B	0.870B	1.60B	4.24	17.6	6.81	5.35	3.26	4.40	5.02	3.20B	2.24B	23
24	0.922B	1.00 B	1.44B	3.08	15.2	7.64	5.41	3.14	4.40	4.84	3.03B	2.32B	24
25	0.960B	10.0 B	1.60B	2.79	17.6	7.87	4.93	3.03	5.59	4.71	2.80B	2.38B	25
26	0.982B	5.00 B	1.53B	2.55	27.0	7.42	5.12	2.96	10.5	4.60	2.54B	2.39B	26
27	1.15 B	3.17 B	1.88B	2.38	33.1	7.11	5.70	2.80	10.1	4.57	2.32B	2.35B	27
28	1.12 B	2.72 B	2.26B	2.25	33.3	6.79	5.61	2.72	8.68	4.51	2.13B	2.30B	28
29	0.991B		2.51B	2.02	31.7	11.9	5.62	2.66	8.37	4.35	1.85B	2.22B	29
30	0.962B		2.63B	1.99	27.9	11.8	5.18	3.95	8.65	4.48	1.78B	2.15B	30
31	0.957B		2.38B		24.1		4.66	7.82		4.18		2.02B	31
TOTAL	33.897	50.885	56.84	67.41	397.02	384.00	194.24	132.93	171.70	232.58	102.47	58.05	TOTAL
MEAN	1.09	1.81	1.83	2.25	12.8	12.8	6.27	4.29	5.72	7.50	3.42	1.87	MEAN
MAX	1.70	10.0	3.61	4.49	33.3	24.0	8.81	7.82	10.5	12.6	4.41	2.39	MAX
MIN	0.855	0.748	1.00	1.42	1.81	6.79	4.66	2.66	4.40	4.18	1.78	1.32	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.17
MAXIMUM DAILY, 33.3 ON MAY 28
MINIMUM DAILY, 0.748B ON FEB 18
MAXIMUM INSTANTANEOUS,
39.8 AT 01:39 MST ON MAY 29

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 41 14 N
LONG 114 14 34 W
DRAINAGE AREA, 588 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2 930	JUL	16 800
FEB	4 390	AUG	11 500
MAR	5 180	SEP	14 800
APR	5 820	OCT	20 100
MAY	34 400	NOV	8 850
JUN	33 200	DEC	5 020

TOTAL DISCHARGE, 163 000 dam³

SIPPLEUR RIVER NEAR THE MOUTH - STATION NO 05DA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.85	70.4	31.2	18.2	11.4	6.16	4.24	---	1
2	---	---	---	---	1.87	66.4	31.8	18.0	11.1	5.82	4.57	---	2
3	---	---	---	---	2.61	54.6	28.9	21.2	11.2	5.59	4.38	---	3
4	---	---	---	---	3.05	44.9	21.8	23.0	10.8	5.74	4.26	---	4
5	---	---	---	---	2.87	41.0	19.7	22.2	10.2	5.00	4.15	---	5
6	---	---	---	---	2.83	39.4	17.0	20.4	8.84	5.59	3.78A	---	6
7	---	---	---	---	2.85	46.4	15.0	20.0	8.25	5.83	---	---	7
8	---	---	---	---	3.02	45.0	13.4	20.4	7.87	5.59	---	---	8
9	---	---	---	---	3.26	37.6	12.3	19.8	7.84	5.83	---	---	9
10	---	---	---	---	3.53	36.8	12.7	19.0	8.07	5.50	---	---	10
11	---	---	---	---	3.22	43.7	10.5	20.5	9.04	5.01	---	---	11
12	---	---	---	---	3.14	35.0	13.6	22.1	7.89	5.98	---	---	12
13	---	---	---	---	3.05	30.7	14.6	22.0	7.45	5.87	---	---	13
14	---	---	---	---	2.84	32.5	15.3	21.1	7.28	5.76	---	---	14
15	---	---	---	---	2.71	40.6	15.8	18.9	7.08	5.57	---	---	15
16	---	---	---	---	2.74	31.6	18.2	18.3	7.69	5.45	---	---	16
17	---	---	---	---	2.88	30.6	24.7	13.6	7.56	5.39	---	---	17
18	---	---	---	---	3.54	28.1	23.1	13.3	7.35	5.18	---	---	18
19	---	---	---	---	5.40	29.3	25.7	13.0	7.07	5.05	---	---	19
20	---	---	---	---	8.10	27.9	34.8	11.1	6.83	5.03	---	---	20
21	---	---	---	---	8.88	22.3	37.7	10.5	6.53	4.89	---	---	21
22	---	---	---	---	7.13	20.5	36.1	10.5	6.43	4.80	---	---	22
23	---	---	---	---	6.46	25.1	34.7	10.8	6.38	4.86	---	---	23
24	---	---	---	---	6.65	25.8	32.4	10.8	6.31	4.77	---	---	24
25	---	---	---	---	10.6	33.7	28.3	10.7	6.95	4.74	---	---	25
26	---	---	---	---	26.4	29.6	26.7	10.1	7.39	4.65	---	---	26
27	---	---	---	---	55.9	25.8	24.5	9.99	6.83	5.48	---	---	27
28	---	---	---	---	66.7	25.6	22.8	10.9	6.68	5.32	---	---	28
29	---		---	---	74.0	32.7	22.3	12.9	6.24	4.86	---	---	29
30	---		---	1.98A	72.6	38.6	19.1	13.6	6.25	4.55	---	---	30
31	---		---		70.6		17.9	12.2		4.28		---	31
TOTAL	---	---	---	---	490.67	1 122.2	703.7	497.10	237.37	171.30	---	---	TOTAL
MEAN	---	---	---	---	15.2	37.4	22.7	16.0	7.91	5.53	---	---	MEAN
MAX	---	---	---	---	74.0	70.4	37.7	23.0	11.4	8.99	---	---	MAX
MIN	---	---	---	---	1.85	30.6	12.3	9.99	6.24	4.28	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 17.4
MAXIMUM DAILY, 74.0 ON MAY 29
MINIMUM DAILY, 1.85 ON MAY 1
MAXIMUM INSTANTANEOUS
102 AT 22 55 MST ON MAY 28

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 02 50 N
LONG 116 23 25 W
DRAINAGE AREA, 515 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	60 800
FEB	---	AUG	43 000
MAR	---	SEP	26 500
APR	---	OCT	14 800
MAY	46 700	NOV	---
JUN	97 000	DEC	---

TOTAL DISCHARGE, 277 000 dam³

SILVERHORN CREEK NEAR THE MOUTH - STATION NO 05DA010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0438	0.1108	0.0328	0.0358	0.0458	3.44	1.86	0.787	0.504	0.182	0.1038	0.0868	1
2	0.0438	0.0988	0.0338	0.0388	0.0788	3.35	1.85	0.800	0.493	0.180	0.1008	0.0808	2
3	0.0448	0.0908	0.0338	0.0378	0.1188	2.50	1.38	1.09	0.477	0.171	0.101	0.0728	3
4	0.0458	0.0848	0.0358	0.0388	0.1228	1.93	0.941	1.20	0.484	0.173	0.1178	0.0748	4
5	0.0458	0.0748	0.0388	0.0398	0.1258	1.85	0.742	1.13	0.421	0.180	0.1108	0.0808	5
6	0.0458	0.0618	0.0398	0.0418	0.135	2.17	0.716	0.992	0.387	0.182	0.0838	0.0858	6
7	0.0498	0.0558	0.0388	0.0438	0.159	2.96	0.855	0.889	0.376	0.185	0.0828	0.0958	7
8	0.0518	0.0528	0.0388	0.0458	0.203	2.33	1.20	0.895	0.361	0.195	0.0708	0.0908	8
9	0.0558	0.0508	0.0378	0.0438	0.232	1.85	1.24	0.958	0.349	0.196	0.0548	0.0878	9
10	0.0678	0.0468	0.0398	0.0408	0.237	2.04	1.23	0.943	0.339	0.193	0.0618	0.0888	10
11	0.0698	0.0418	0.0358	0.0368	0.197	2.67	1.31	1.04	0.333	0.187	0.0698	0.0828	11
12	0.0588	0.0338	0.0368	0.0338	0.188	1.72	1.21	1.08	0.318	0.189	0.0738	0.0788	12
13	0.0608	0.0318	0.0368	0.0338	0.172	1.42	1.18	1.12	0.309	0.183	0.0828	0.0878	13
14	0.0618	0.0308	0.0388	0.0358	0.158	1.84	1.02	1.01	0.290	0.180	0.0818	0.1028	14
15	0.0628	0.0288	0.0388	0.0398	0.149	2.08	0.952	0.909	0.279	0.184	0.1008	0.0948	15
16	0.0638	0.0288	0.0368	0.0418	0.150	1.38	0.877	0.838	0.288	0.177	0.1128	0.0898	16
17	0.0648	0.0288	0.0368	0.0428	0.171	1.56	1.12	0.861	0.286	0.174	0.1068	0.0888	17
18	0.0658	0.0278	0.0358	0.0438	0.216	2.38	1.12	0.839	0.285	0.168	0.1088	0.0808	18
19	0.0678	0.0278	0.0328	0.0498	0.320	2.01	1.04	0.525	0.264	0.161	0.1198	0.0828	19
20	0.0678	0.0268	0.0328	0.0528	0.441	1.14	2.10	0.480	0.232	0.164	0.1238	0.0878	20
21	0.0688	0.0268	0.0328	0.0538	0.430	0.815	2.19	0.459	0.219	0.148	0.1218	0.0958	21
22	0.0708	0.0278	0.0338	0.0528	0.365	0.758	2.00	0.443	0.208	0.144	0.1188	0.0998	22
23	0.0708	0.0278	0.0358	0.0498	0.371	1.32	1.88	0.450	0.201	0.138	0.1248	0.1038	23
24	0.0718	0.0288	0.0368	0.0468	0.403	2.28	1.65	0.455	0.82	0.134	0.1158	0.1068	24
25	0.0788	0.0308	0.0408	0.0488	0.536	1.84	1.33	0.439	0.203	0.132	0.1148	0.1028	25
26	0.0888	0.0308	0.0368	0.0478	1.50	1.80	1.16	0.427	0.209	0.134	0.1118	0.1018	26
27	0.1008	0.0308	0.0338	0.0488	3.82	1.42	1.10	0.439	0.201	0.149	0.1038	0.1058	27
28	0.1088	0.0318	0.0338	0.0488	3.54	1.48	1.03	0.472	0.193	0.143	0.0958	0.1048	28
29	0.1088		0.0338	0.0488	3.38	2.22	0.923	0.519	0.194	0.136	0.0938	0.1088	29
30	0.1058		0.0348	0.0488	3.10	2.11	0.717	0.530	0.191	0.1278	0.0878	0.1078	30
31	0.1148		0.0348		3.21		0.706	0.515		0.1188		0.0908	31
TOTAL	2.080	1.248	1.087	1.278	24.381	58.363	39.109	22.939	8.976	5.158	2.958	2.832	TOTAL
MEAN	0.067	0.045	0.035	0.043	0.783	1.95	1.26	0.740	0.299	0.166	0.099	0.091	MEAN
MAX	0.114	0.110	0.040	0.053	3.82	3.44	2.19	1.20	0.504	0.199	0.124	0.108	MAX
MIN	0.043	0.028	0.032	0.033	0.045	0.758	0.706	0.427	0.191	0.118	0.084	0.072	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.467
MAXIMUM DAILY, 3.82 ON MAY 27
MINIMUM DAILY, 0.0288 ON FEB 20
MAXIMUM INSTANTANEOUS,
4.87 AT 18 40 MST ON MAY 28

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 48 00 N
LONG 115 34 53 W
DRAINAGE AREA, 20.7 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	181	JUL	3 280
FEB	104	AUG	1 880
MAR	93.9	SEP	776
APR	111	OCT	445
MAY	2 190	NOV	255
JUN	5 040	DEC	245

TOTAL DISCHARGE, 14 700 dam³

SIMONETTE RIVER NEAR GOODWIN - STATION NO 07EF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4 970	3 590	3 588	11.58	81.8	56.7	14 1	22 9	5 05	40 8	6 588	5 820	1
2	4 780	3 880	3 880	12.98	85 9	48 9	13 1	20 8	5 12	62 5	6 298	5 530	2
3	4 820	3 820	7 298	12 98	81 3	44 1	12 8	18 6	5 27	53 2	9 158	5 280	3
4	4 960	3 670	8 118	13 38	73.0	39 3	11 9	17 7	5 89	46 8	11 7 8	4 440	4
5	5 380	3 588	11 6 8	13 08	110	35 5	11 5	15 2	5 87	52 4	12 2 8	4 800	5
6	5 298	3 470	7 108	12 48	120	32 1	11 6	14 6	7 32	75 7	10 9 8	4 420	6
7	5 098	3 788	8 078	17 88	115	29 3	10 7	13 8	8 99	75 3	8 688	4 338	7
8	5 068	3 260	5 298	26 58	102	28 3	25 3	12 8	10 3	58 6	6 158	3 978	8
9	5 148	2 878	4 918	55 58	96 7	26 8	26 8	11 6	8 86	47 2	5 098	4 108	9
10	4 878	3 178	4 328	57 08	83 6	25 8	23 8	10 6	7 49	40 3	5 888	5 078	10
11	4 518	3 088	4 148	44 78	90 6	23 9	21 2	9 88	6 95	38 0	5 558	4 768	11
12	4 448	3 868	4 158	36 6	88.6	22 6	25 2	9 27	6 92	31 6	6 008	4 598	12
13	4 458	2 878	4 278	34 0	84 6	27 1	30 9	8 78	7 02	36 6	6 508	4 538	13
14	4 288	2 848	4 058	30.6	81.5	27 4	26 3	8 39	8 43	36 1	6 008	4 508	14
15	4 458	2 738	4 288	28.8A	87.2	24 3	25 5	7 39	8 89	34 2	5 808	4 448	15
16	4 278	2 688	4 198	31 5A	89.2	23 4	26 8	7 18	8 98	32 3	6 008	4 518	16
17	4 208	2 658	4 378	37 5	87 8	44 0	71 8	6 77	8 95	30 7	6 218	4 508	17
18	4 118	2 608	4 568	84 6	85 2	48 2	118	6 44	8 82	19 0	6 188	4 418	18
19	4 258	2 558	4 638	99 9	91 5	42 0	151	6 22	8 74	17 8	7 188	4 468	19
20	4 238	2 538	4 488	98 0	96 4	43 3	112	6 17	8 92	16 6	6 508	4 588	20
21	4 288	2 598	6 728	96 5	88 4	39 2	80 5	6 17	8 70	15 6	6 858	4 688	21
22	4 118	2 638	9 468	94 9	106	33 2	66 2	6 19	8 08	15 1	7 658	4 708	22
23	4 048	3 638	11 9 8	85 2	124	27 3	50 0	6 18	7 47	14 6	7 408	4 728	23
24	3 928	2 628	10 9 8	69 2	117	23 7	45 1	6 01	7 00	14 0	7 338	4 638	24
25	3 888	2 598	8 958	59.3	102	22 2	43 5	5 88	6 90	13 5	7 208	4 748	25
26	3 718	2 488	7 888	52 8	92 7	21 8	38 7	5 80	7 39	13.3	7 288	4 888	26
27	3 858	2 418	11.9 8	48 0	88 6	19 6	33 6	5 58	8 11	12 9	6 878	4 988	27
28	3 638	2 408	18.2 8	47 5	86 5	17 2	30 2	5 58	22 6	12 7	6 448	5 038	28
29	3 388		17 7 8	58 3	81 0	16 1	27 7	5 52	30 7	12 6	6 158	4 978	29
30	3 408		12.9 8	84 4	73 1	15 1	26 5	5 42	29 9	12 6	6 048	4 908	30
31	3 438		12.2 8		84 4		24 8	5 13		9 368		4 918	31
TOTAL	134 83	83 02	232 72	1 445 8	2 835 4	928.3	1 238 4	288 22	298 17	942 05	212 61	145 25	TOTAL
MEAN	4 35	2 97	7 51	48 2	91 5	30 8	39 9	9 62	9 67	30 4	7 05	4 72	MEAN
MAX	5 38	3 88	18 2	99 9	124	56 7	151	22 9	30 7	75 7	12 2	5 82	MAX
MIN	3 38	2 40	2 58	11 5	81 3	15 1	11 4	5 13	5 05	9 35	4 18	3 97	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 24 1
MAXIMUM DAILY, 151 ON JUL 19
MINIMUM DAILY, 2 408 ON FEB 28
MAXIMUM INSTANTANEOUS
180 AT 08 00 MST ON JUL 19

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 08 30 N
LONG 118 10 30 W
DRAINAGE AREA, 5 050 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	11 500	JUL	107 000
FEB	7 170	AUG	25 800
MAR	20 100	SEP	25 100
APR	125 000	OCT	81 400
MAY	245 000	NOV	18 400
JUN	80 200	DEC	12 600

TOTAL DISCHARGE 759 000 dam³

SLAVE RIVER AT FITZGERALD - STATION NO 07NB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2 700E	2 570E	2 120E	1 800E	3 800E	5 170	5 150	4 640	3 110	3 210	2 480E	2 110E	1
2	2 680E	2 540E	2 100E	1 610E	3 700E	5 120	5 090	4 540	3 140	3 240	2 360E	2 140E	2
3	2 650E	2 500E	2 050E	1 640E	3 780E	5 210	4 870	4 460	3 140	3 180	2 260E	2 230E	3
4	2 640E	2 440E	2 030E	1 700E	3 750E	5 570	4 750	4 350	3 080	3 170	2 180E	2 280E	4
5	2 630E	2 350E	2 010E	1 740E	3 710E	5 720	4 820	4 240	3 050	3 170	2 030E	2 260E	5
6	2 600E	2 250E	2 000E	1 780E	3 700E	5 740	4 590	4 130	3 130	3 230	1 920E	2 270E	6
7	2 590E	2 140E	1 980E	1 740E	3 710E	5 720	4 350	4 050	3 240	3 410	1 850E	2 260E	7
8	2 580E	2 030E	1 950E	1 800E	3 740E	5 690	4 210	4 020	3 360	3 510	1 730E	2 260E	8
9	2 570E	1 980E	1 920E	1 810E	3 980E	5 670	4 170	4 080	3 370	3 480	1 550E	2 310E	9
10	2 580E	1 950E	1 910E	1 800E	4 200E	5 600	4 140	4 050	3 350	3 490	1 500E	2 340E	10
11	2 570E	1 940E	1 900E	1 780E	4 400E	5 340	4 120	3 970	3 380	3 520	1 590E	2 300E	11
12	2 540E	1 940E	1 880E	1 800E	4 600E	5 230	4 120	3 880	3 240	3 490	1 670E	2 320E	12
13	2 500E	1 930E	1 870E	1 820E	4 800E	5 080	4 100	3 810	3 020	3 520	1 890E	2 300E	13
14	2 470E	1 920E	1 870E	1 900E	4 850E	4 930	4 100	3 780	2 970A	3 600	1 910E	2 260E	14
15	2 420E	1 900E	1 880E	2 010E	4 900	4 970	4 150	3 650	2 880E	3 630	1 950E	2 280E	15
16	2 400E	1 880E	1 880E	2 200E	4 800	5 000	4 300	3 370	3 080E	3 700	2 030E	2 220E	16
17	2 410E	1 870E	1 890E	2 380E	4 670	4 950	4 290	3 410	3 050E	3 710	2 040E	2 200E	17
18	2 420E	1 890E	1 890E	2 600E	4 550	4 860	4 230	3 440	3 010E	3 700	2 110E	2 180E	18
19	2 440E	1 900E	1 880E	2 720E	4 490	4 860	4 160	3 530	2 930E	3 630	2 120E	2 160E	19
20	2 460E	1 930E	1 860E	2 900E	4 550	4 730	4 090	3 450	2 900E	3 550	2 080E	2 140E	20
21	2 480E	1 980E	1 840E	3 050E	4 680	4 670	4 080	3 390	2 890E	3 470	2 110E	2 180E	21
22	2 510E	2 000E	1 800E	3 110E	4 770	4 610	4 120	3 380	2 900E	3 410	2 200E	2 160E	22
23	2 520E	2 040E	1 750E	3 100E	4 830	4 640	4 510	3 320	2 910E	3 380	2 220E	2 170E	23
24	2 540E	2 080E	1 710E	3 070E	4 840	4 780	5 050	3 380	2 920E	3 330	2 050E	2 190E	24
25	2 570E	2 100E	1 700E	3 020E	4 850	5 030	5 390	3 350	2 950E	3 320	2 120E	2 210E	25
26	2 590E	2 110E	1 690E	3 040E	4 880	5 280	5 460	3 300	2 990E	3 210E	2 200E	2 230E	26
27	2 600E	2 120E	1 680E	3 080E	4 970	5 320	5 400	3 320	3 020E	3 100E	2 170E	2 250E	27
28	2 610E	2 130E	1 670E	3 200E	5 070	5 350	5 250	3 270	3 080E	2 950E	2 210E	2 240E	28
29	2 600E		1 650E	3 340E	5 260	5 320	5 080	3 280	3 120A	2 810E	2 200E	2 230E	29
30	2 590E		1 640E	3 460E	5 340	5 220	4 950	3 220	3 160	2 700E	2 210E	2 220E	30
31	2 570E		1 610E		5 360		4 770	3 040		2 590E		2 210E	31
TOTAL	78 040	58 410	57 820	70 820	139 320	153 070	141 850	115 010	92 410	103 410	61 110	69 080	TOTAL
MEAN	2 550	2 080	1 880	2 380	4 490	5 170	4 580	3 710	3 080	3 340	2 040	2 230	MEAN
MAX	2 700	2 570	2 120	3 460	5 350	5 740	5 460	4 640	3 380	3 710	2 480	2 340	MAX
MIN	2 400	1 870	1 610	1 800	3 800	4 970	4 080	3 040	2 890	2 590	1 500	2 110	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3 130
MAXIMUM DAILY, 5 740 ON JUN 6
MINIMUM DAILY, 1 500E ON NOV 10
MAXIMUM INSTANTANEOUS,
5 780 AT 00:20 MST ON JUN 6

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 52 20 N
LONG 111 35 00 W
DRAINAGE AREA, 805 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1968

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 830 000	JUL	12 300 000
FEB	5 050 000	AUG	9 540 000
MAR	4 980 000	SEP	7 580 000
APR	6 120 000	OCT	8 530 000
MAY	12 000 000	NOV	5 290 000
JUN	13 400 000	DEC	5 970 000

TOTAL DISCHARGE, 88 800 000 dam³

SMOKY RIVER ABOVE WELLS CREEK - STATION NO 07GA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	19 2 B	12 1 B	14.7 B	8 918	18 6	511	2258	184 E	108	37 5	24 6	15 42	1
2	18 5 B	12 2 B	14 2 B	7 928	19 3	484	3338	139 E	125	38 4	33 5	15 38	2
3	17 5 B	10 0 B	14 4 B	7 788	21 3	3858	3548	134 E	138	32 7	35 0	15 28	3
4	16 5 B	7 488	15 3 B	8 34	26 9	3458	3258	129 E	140	44 4	37 2	15 38	4
5	15 7 B	9 448	14 9 B	8 33	33 6	3498	3038	126 E	138	67 4	37 0	15 59	5
6	14 6 B	8 548	11 7 B	8 63	36 8	3858	3188	122 E	107	97 8	32 7	15 82	6
7	13 9 B	9 128	13 9 B	9 14	38 4	4178	2348	116 E	90 E	97 8	28 5	16 18	7
8	15 3 B	9 928	14 1 B	11 6	41 1	3888	313	117 E	81 E	87 1	24 88	16 38	8
9	14 3 B	10 5 B	15 2 B	14 5	44 5	3608	303	124 E	78 7	78 0	23 08	16 78	9
10	15 2 B	11 4 B	14 7 B	12 3	43 0	3188	294	120 E	75 0	67 7	21 08	19 9	10
11	13 9 B	10 9 B	15 1 B	11 1	41 8	3918	275	115 E	69 4	60 1	18 08	17 0	11
12	12 7 B	10 1 B	15 0 B	10 8	41 0	3198	274	110 E	62 1	58 3	15 08	17 4	12
13	12 3 B	8 758	15 8 B	11 3	40 5	2428	262	107 E	55 9	52 0	14 58	20 9	13
14	12 5 B	7 718	15 0 B	11 5	38 2	2328	247	107 E	51 8	49 2	17 88	18 2	14
15	12 0 B	7 908	15 6 B	11 7	36 4	3588	248	103 E	48 8	47 4	19 08	18 1	15
16	11 8 B	8 678	15 2 B	12 2	35 2	3388	301	111 A	45 8	45 4	20 58	19 8	16
17	11 5 B	7 068	14 3 B	12 2	36 7	2638	278	102	43 0	43 8	21 88	19 08	17
18	14 3 B	7 308	14 1 B	12 4	49 3	2568	324	102	46 7	42 2	22 58	18 88	18
19	13 5 B	7 728	13 0 B	12 7	84 0	2628	297	110	38 8	40 3	23 08	18 88	19
20	11 0 B	8 348	12 9 B	15 1	87 1	2298	254	94 A	36 7	39 8	23 38	19 58	20
21	10 6 B	8 528	12 3 B	19 3	107	2048	246	88 3	34 9	37 9	23 78	19 18	21
22	10 3 B	5 148	11 2 B	21 5	86 0	2288	242	87 0	35 3	36 5	23 68	17 88	22
23	10 1 B	9 638	10 1 B	19 8	83 9	2928	261	85 5	34 8	35 0	23 78	17 58	23
24	12 0 B	10 1 B	10 2 B	19 1	83 5	3888	270	91 7	34 4	33 7	23 08	17 08	24
25	12 1 B	13 6 B	10 4 B	18 9	111	3458	262	94 5	35 1	33 4	22 38	16 88	25
26	12 5 B	12 8 B	10 6 B	18 4	245	3138	208	90 2	40 4	34 4	23 28	16 78	26
27	13 4 B	12 7 B	11 2 B	16 8	488	2938	185	89 8	42 2	38 8	19 88	16 88	27
28	13 5 B	14 5 B	12 2 B	20 4	562	2868	181	98 2	37 5	43 7	17 88	16 58	28
29	11 8 B		11.5 B	20 3	587	2978	168	113	34 4	39 8	15 98	16 48	29
30	9 748		10 2 B	19 8	564	3198	154	121	36 8	35 4	16 88	16 68	30
31	11 5 B		9 678		555		1498	108		27 7		16 88	31
TOTAL	415 04	275 24	409 67	415 62	4 277 2	9 781	8 269	3 403 6	1 836 2	1 913 6	704 3	534 8	TOTAL
MEAN	13 4	9 83	13 2	13 9	138	326	267	110	64 5	48 8	23 5	17 3	MEAN
MAX	19 2	14 5	15 0	21 5	587	511	354	144	140	97 8	37 3	20 8	MAX
MIN	9 74	6 87	9 67	7 75	18 6	204	149	85 5	24 4	27 7	15 0	15 2	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 87 5
MAXIMUM DAILY, 587 ON MAY 29
MINIMUM DAILY, 8 678 ON FEB 18
MAXIMUM INSTANTANEOUS
617 AT 06 33 MST ON MAY 29

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION LAT 53 56 45 N
LONG 119 09 60 W
DRAINAGE AREA, 3 860 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	35 900	JUL	714 000
FEB	23 800	AUG	294 000
MAR	35 400	SEP	167 000
APR	35 900	OCT	131 000
MAY	370 000	NOV	60 900
JUN	845 000	DEC	46 200

TOTAL DISCHARGE, 2 760 000 dam³

SMOKY RIVER AT WATINO - STATION NO 07GJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	53 29	45 18	48 98	1188	598	1 840	602	538	194	351	128	102 B	1
2	49 58	46 18	53 78	1198	483	1 780	620	494	183	449	114	91 48	2
3	49 98	43 18	56 68	1158	440	1 710	608	462	175	444	108	88 48	3
4	52 48	41 38	57 82	1118	438	1 610	627	457	191	414	131	86 78	4
5	52 58	43 38	73 18	1138	523	1 050A	591	447	217	391	178	80 48	5
6	51 98	44 08	77 08	1208	711	9148	536	485	227	439	178	71 88	6
7	52 88	44 48	72 38	1508	776	1 020A	585	438	283	556	191	84 18	7
8	50 88	41 48	86 78	2608	749	1 140A	740	397	223	575	93 78	87 88	8
9	49 08	36 88	56 48	3778	721	1 040A	757	374	194	515	57 78	82 18	9
10	47 38	37 38	51 48	3988	701	9038	735	364	174	461	47 88	88 38	10
11	50 38	39 88	49 88	427	693	9238	695	345	164	415	48 08	78 38	11
12	52 58	39 78	50 28	414	650	8868	649	333	159	373	50 08	86 58	12
13	53 78	39 18	47 48	338	615	8598	633	308	156	332	55 78	85 28	13
14	54 08	40 08	47 78	270	592	7978	638	304	152	300	54 38	80 98	14
15	55 78	39 98	47 48	267	604	7258	624	289	146	277	72 08	80 18	15
16	54 78	38 78	45 88	271	602	6848	575	280	142	255	82 18	79 48	16
17	54 38	38 78	45 88	287	592	1 180	617	257A	141	237	87 88	80 88	17
18	53 58	36 58	46 08	395	586	1 000	1 430	230A	137	223	85 48	80 88	18
19	53 28	34 28	46 48	515	571	925	1 780	208	134	209	78 48	77 09	19
20	51 38	34 18	49 88	588	551	891	1 760	200	131	197	75 08	76 98	20
21	49 98	33 18	52 88	582	752	826	1 410	202	126	188	71 58	77 88	21
22	48 28	31 08	54 08	606	858	725	1 180	192	121	178	87 38	73 48	22
23	48 08	32 98	80 08	638	810	654	1 010	177	118	171	88 58	71 08	23
24	48 78	33 88	100 B	672	878	683	926	171	112	185	82 18	85 98	24
25	42 68	34 88	87 28	488	8418	885	878	167	108	158	107 B	85 98	25
26	41 88	36 98	86 78	437	8178	818	817	156	108	152	113 B	71 18	26
27	41 18	41 08	80 18	386	1 080	709	816	175	122	148	118 B	72 08	27
28	40 48	42 88	105 B	386	1 850	818	734	170	198	148	122 B	70 28	28
29	41 28		133 B	380	1 880	578	665	164	278	151	113 B	85 48	29
30	42 58		148 B	430	1 910	570	640	158	275	150	108 B	85 48	30
31	44 58		138 B		1 880		592	178		158		82 58	31
TOTAL	1 529 3	1 085 7	2 178 0	10 533	25 847	28 040	26 028	9 081	5 078	9 178	2 847 3	2 343 2	TOTAL
MEAN	49 3	38 1	70 3	351	827	935	840	293	169	296	94 9	75 6	MEAN
MAX	55 7	46 1	148	828	1 910	1 840	1 780	538	278	575	178	102	MAX
MIN	40 4	31 0	45 8	111	438	570	538	164	108	148	47 8	57 8	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 361
MAXIMUM DAILY, 1 910 ON MAY 30
MINIMUM DAILY, 31 08 ON FEB 22
MAXIMUM INSTANTANEOUS,
1 980 AT 12:00 MST ON MAY 30

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 42 55 N
LONG 117 37 19 W
DRAINAGE AREA, 50 300 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	132 000	JUL	2 280 000
FEB	84 700	AUG	785 000
MAR	188 000	SEP	439 000
APR	910 000	OCT	783 000
MAY	2 220 000	NOV	245 000
JUN	2 510 000	DEC	202 000

TOTAL DISCHARGE, 10 800 000 dam³

SNAKE CREEK NEAR VULCAN - STATION NO. 05AC030

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.501	0.002	0	0	0	0	0	0.001	---	---	1
2	---	0 B	0.297	0.001	0	0	0	0	0	0.001	---	---	2
3	---	0 B	0.216	0	0	0	0	0	0	0.001	---	---	3
4	---	0 B	0.152	0	0	0	0	0	0	0.001	---	---	4
5	---	0 B	0.124	0	0.002	0	0	0	0	0.001	---	---	5
6	---	0 B	0.0588	0	0.001	0	0	0	0	0	---	---	6
7	---	0 B	0.0518	0	0	0	0	0	0	0	---	---	7
8	---	0 B	0.0238	0	0	0	0	0	0	0.001	---	---	8
9	---	0 B	0.0438	0	0	0	0	0	0	0	---	---	9
10	---	0 B	0.0338	0	0	0	0	0	0	0.001	---	---	10
11	---	0 B	0.048	0	0	0	0	0	0	0	---	---	11
12	---	0 B	0.034	0	0	0	0	0	0	0	---	---	12
13	---	0 B	0.023	0	0	0	0	0	0	0	---	---	13
14	---	0 B	0.015	0	0	0	0	0	0	0	---	---	14
15	---	0 B	0.014	0	0.002	0	0	0	0	0	---	---	15
16	---	0 B	0.018	0	0.002	0	0	0	0	0	---	---	16
17	---	0 B	0.028	0.001	0.011	0	0	0	0	0	---	---	17
18	---	0 B	0.031	0.001	0.013	0	0	0	0.004	0	---	---	18
19	---	0 B	0.023	0	0.050	0	0	0	0	0	---	---	19
20	---	0 B	0.016	0	0.083	0	0	0	0.001	0.001	---	---	20
21	---	0 B	0.011	0	0.080	0	0	0	0.001	0.001	---	---	21
22	---	0 B	0.008	0	0.051	0	0	0	0	0.001	---	---	22
23	---	0 B	0.015	0	0.043A	0	0	0	0	0.001	---	---	23
24	---	0 B	0.015	0	0.035E	0	0	0	0	0.001	---	---	24
25	---	0.0838	0.090	0	0.025E	0	0	0	0	0.001	---	---	25
26	---	0.7548	0.041	0	0.018A	0	0	0	0.073	0.001	---	---	26
27	---	0.708	0.021	0	0.010	0	0	0	0.020	0.001	---	---	27
28	0B	0.855	0.036	0	0.005	0	0	0	0.002	0	---	---	28
29	0B		0.024	0	0.003	0	0	0	0	0.001	---	---	29
30	0B		0.009	0	0.002	0.015	0	0	0	0.001	---	---	30
31	0B		0.004		0.001	0.003	0	0	0	0.001A	---	---	31
					0		0	0		0.001E		---	
TOTAL	---	2.400	2.024	0.005	0.445	0.018	0	0	0.101	0.019	---	---	TOTAL
MEAN	---	0.086	0.065	0	0.014	0.001	0	0	0.003	0.001	---	---	MEAN
MAX	---	0.855	0.501	0.002	0.083	0.015	0	0	0.073	0.001	---	---	MAX
MIN	---	0	0.004	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.018
MAXIMUM DAILY, 0.855 ON FEB 28
MINIMUM DAILY, 0B ON FEB 1
MAXIMUM INSTANTANEOUS,
1.54 AT 16:31 MST ON FEB 27

SUMMARY FOR THE MONTHS FEB TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 28 20 N
LONG 112 54 45 W
DRAINAGE AREA, 350 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	207	AUG	0
MAR	175	SEP	8.73
APR	0.43	OCT	1.64
MAY	38.4	NOV	---
JUN	1.55	DEC	---

TOTAL DISCHARGE, 433 dam³

SNAKE INDIAN RIVER NEAR THE MOUTH - STATION NO. 07AB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	6.50E	178	73.2	40.9	28.6	15.6	10.1A	---	1
2	---	---	---	---	6.45E	173	72.4	41.3	31.4	15.1	12.2	---	2
3	---	---	---	---	6.45E	131	71.1	43.8	34.0	14.5	12.5	---	3
4	---	---	---	---	6.50E	104	63.6	48.9	35.3	14.9	12.3	---	4
5	---	---	---	---	6.70E	88.0	54.7	48.9	37.3	17.9	12.1A	---	5
6	---	---	---	---	7.10E	111	53.1	46.3	32.5	27.6	---	---	6
7	---	---	---	---	7.30E	121	54.6	43.7	27.8	31.2	---	---	7
8	---	---	---	---	7.60E	113	59.6	43.6	24.7	28.5	---	---	8
9	---	---	---	---	8.10E	105	62.0	43.2	23.0	24.8	---	---	9
10	---	---	---	---	8.25E	95.9	65.4	40.7	22.7	22.0	---	---	10
11	---	---	---	---	8.20E	113	62.3	39.9	22.5	20.0	---	---	11
12	---	---	---	---	8.10E	104	59.1	41.5	20.9	18.7	---	---	12
13	---	---	---	---	7.80E	81.1	55.3	41.7	19.8	17.6	---	---	13
14	---	---	---	---	7.50E	74.6	51.1	39.7	18.6	16.8	---	---	14
15	---	---	---	---	7.20E	102	48.2	37.4	17.8	16.3	---	---	15
16	---	---	---	---	6.90E	103	51.6	32.3	17.0	15.8	---	---	16
17	---	---	---	---	7.20E	83.1	77.9	29.1	16.5	15.3	---	---	17
18	---	---	---	---	7.45A	85.7	96.3	27.8	16.1	14.7	---	---	18
19	---	---	---	---	8.29	92.7	95.4	29.1	15.7	14.3	---	---	19
20	---	---	---	---	13.7	75.8	87.5	28.1	15.3	13.8	---	---	20
21	---	---	---	---	16.9	60.9	81.7	25.4	14.8A	13.5	---	---	21
22	---	---	---	---	15.4	55.7	76.0	24.5	14.5E	13.1	---	---	22
23	---	---	---	---	13.8	61.5	73.3	24.0	14.0E	12.7	---	---	23
24	---	---	---	---	13.4	78.3	72.8	24.5	13.8A	12.3	---	---	24
25	---	---	---	---	16.3	81.0	68.7	25.9	13.7	12.2	---	---	25
26	---	---	---	---	39.9	85.1	59.5	26.6	16.3	12.6	---	---	26
27	---	---	---	---	107	57.4	53.7	25.0	15.4	13.5	---	---	27
28	---	---	---	---	173	54.7	50.5	25.5	15.4	14.4	---	---	28
29	---		---	6.68A	196	59.8	49.5	28.4	14.7	13.9	---	---	29
30	---		---	6.60E	190	73.0	45.8	31.7	15.0	12.9	---	---	30
31	---		---		185		42.3	30.3		10.7A		---	31
TOTAL	---	---	---	---	1 121.89	2 795.4	1 998.3	1 078.8	825.8	516.9	---	---	TOTAL
MEAN	---	---	---	---	36.2	93.2	64.5	34.8	20.9	16.7	---	---	MEAN
MAX	---	---	---	---	196	178	96.4	48.9	37.3	31.2	---	---	MAX
MIN	---	---	---	---	6.45	54.7	42.3	24.0	13.8	10.7	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 44.2
MAXIMUM DAILY, 196 ON MAY 29
MINIMUM DAILY, 6.45E ON MAY 2
MAXIMUM INSTANTANEOUS,
205 AT 07:00 MST ON MAY 29

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 09 28 N
LONG 118 01 58 W
DRAINAGE AREA, 1 580 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	173 000
FEB	---	AUG	83 200
MAR	---	SEP	54 100
APR	---	OCT	44 700
MAY	85 900	NOV	---
JUN	242 000	DEC	---

TOTAL DISCHARGE, 704 000 dam³

SOUNDING CREEK NEAR CHINOOK - STATION NO 05CA012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1138	0.002	0	0	0	0	0	0	0	---	1
2	---	---	0.0930	0	0	0	0	0	0	0	0	---	2
3	---	---	0.0838	0	0	0	0	0	0	0	0	---	3
4	---	---	0.0488	0	0	0	0	0	0	0	0	---	4
5	---	---	0.0338	0	0	0	0	0	0	0	DA	---	5
6	---	---	0.0458	0	0	0	0	0	0	0	---	---	6
7	---	---	0.0778	0	0	0	0	0	0	0	---	---	7
8	---	---	0.0128	0	0	0	0	0	0	0	---	---	8
9	---	---	0.0128	0	0	0	0	0	0	0	---	---	9
10	---	---	0.0108	0	0	0	0	0	0	0	---	---	10
11	---	---	0.0088	0	0	0	0	0	0	0	---	---	11
12	---	---	0.021	0	0	0	0	0	0	0	---	---	12
13	---	---	0.038	0	0	0	0	0	0	0	---	---	13
14	---	---	0.034	0	0	0	0	0	0	0	---	---	14
15	---	---	0.033	0	0	0	0	0	0	0	---	---	15
16	---	---	0.026	0	0	0	0	0	0	0	---	---	16
17	---	---	0.022	0	0	0	0	0	0	0	---	---	17
18	---	---	0.014	0	0	0	0	0	0	0	---	---	18
19	---	0 B	0.011	0	0	0	0	0	0	0	---	---	19
20	---	---	0.007	0	0	0	0	0	0	0	---	---	20
21	---	---	0.006	0	0	0	0	0	0	0	---	---	21
22	---	---	0.005	0	0	0	0	0	0	0	---	---	22
23	---	---	0.003	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	0.1458	0	0	0	0	0	0	0	0	---	---	27
28	---	0.1108	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0.013		0		0	0		0		---	31
TOTAL	---	---	0.747	0.002	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.024	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.113	0.002	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.003
MAXIMUM DAILY, 0.1138 ON MAR 1
MINIMUM DAILY, 0 ON MAR 24

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 32 52 N
LONG 110 55 11 W
DRAINAGE AREA, 2 280 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	64.5	SEP	0
APR	0.17	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 64.7 dam³

SOUNDING CREEK NEAR OYEN - STATION NO 05CA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0308	0	0	0	0	0	0	0	0	---	1
2	---	---	0.0288	0	0	0	0	0	0	0	0	---	2
3	---	---	0.0288	0	0	0	0	0	0	0	0	---	3
4	---	---	0.0288	0	0	0	0	0	0	0	DA	---	4
5	---	---	0.0278	0	0	0	0	0	0	0	---	---	5
6	---	---	0.0268	0	0	0	0	0	0	0	---	---	6
7	---	---	0.0278	0	0	0	0	0	0	0	---	---	7
8	---	---	0.0278	0	0	0	0	0	0	0	---	---	8
9	---	---	0.0308	0	0	0	0	0	0	0	---	---	9
10	---	---	0.0318	0	0	0	0	0	0	0	---	---	10
11	---	---	0.0328	0	0	0	0	0	0	0	---	---	11
12	---	---	0.0328	0	0	0	0	0	0	0	---	---	12
13	---	---	0.0318	0	0	0	0	0	0	0	---	---	13
14	---	---	0.0278	0	0	0	0	0	0	0	---	---	14
15	---	---	0.0238	0	0	0	0	0	0	0	---	---	15
16	---	---	0.021E	0	0	0	0	0	0	0	---	---	16
17	---	---	0.019E	0	0	0	0	0	0	0	---	---	17
18	---	---	0.013E	0	0	0	0	0	0	0	---	---	18
19	---	0 B	0.010E	0	0	0	0	0	0	0	---	---	19
20	---	---	0.008A	0	0	0	0	0	0	0	---	---	20
21	---	---	0.006	0	0	0	0	0	0	0	---	---	21
22	---	---	0.004	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	0.0528	0	0	0	0	0	0	0	0	---	---	26
27	---	0.0478	0	0	0	0	0	0	0	0	---	---	27
28	---	0.0358	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0.508	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.016	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.032	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.002
MAXIMUM DAILY, 0.0328 ON MAR 11
MINIMUM DAILY, 0 ON MAR 23

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 33 55 N
LONG 110 28 28 W
DRAINAGE AREA, 3 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	44.0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 44.0 dam³

SOUSA CREEK NEAR HIGH LEVEL - STATION NO. 07DA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0018	0 B	5.768	3.02	9.25	1.37	0.380	0.276	---	---	1
2	---	---	0.0018	0 B	6.628	1.94	8.08	1.28	0.362	0.288	---	---	2
3	---	---	0.0018	0 B	7.96	1.80	7.19	1.21	0.350	0.299	---	---	3
4	---	---	0 B	0 B	7.79	1.89	6.43	1.31	0.385	0.283	---	---	4
5	---	---	0 B	0.0109	7.86	1.83	6.18	1.93	0.329	0.283	---	---	5
6	---	---	0 B	0.0308	7.53	1.50	6.00	1.55	0.319	0.297	---	---	6
7	---	---	0 B	0.1008	7.86	1.40	5.84	1.59	0.307	0.326	---	---	7
8	---	---	0 B	0.2498	7.96	1.29	5.56	1.79	0.294	0.345	---	---	8
9	---	---	0 B	0.1318	8.92	1.19	5.28	1.73	0.275	0.379	---	---	9
10	---	---	0 B	0.0588	9.48	1.08	5.05	1.54	0.259	0.403	---	---	10
11	---	---	0 B	0.0778	9.39	0.933	4.84	1.38	0.238	0.451	---	---	11
12	---	---	0 B	0.0708	9.24	0.818	4.61	1.21	0.234	0.476	---	---	12
13	---	---	0 B	0.0658	9.01	0.893	4.24	1.02	0.228	0.476	---	---	13
14	---	---	0 B	0.0628	8.58	0.561	4.29	0.957	0.238	0.475	---	---	14
15	---	---	0 B	0.1358	7.88	0.480	4.12	1.12	0.225	0.472	---	---	15
16	---	---	0 B	0.3288	7.32	0.428	3.79	1.33	0.221	0.473	---	---	16
17	---	0.0158	0 B	0.4868	6.78	0.373	3.55	1.34	0.208	0.464	---	---	17
18	---	0.0148	0 B	0.3878	6.33	0.347	3.21	1.31	0.194	0.456	---	---	18
19	---	0.0128	0 B	0.2808	5.78	0.342	2.87	1.30	0.185	0.462	---	---	19
20	---	0.0118	0 B	0.3758	5.30	0.957	2.54	1.30	0.189	0.446	---	---	20
21	---	0.0108	0 B	0.3808	4.78	6.71	2.28	1.22	0.182	0.444	---	---	21
22	---	0.0088	0 B	1.49 B	4.53	9.90	2.38	1.11	0.178	0.416	---	---	22
23	---	0.0078	0 B	2.42 B	4.02	14.1	2.33	1.02	0.174	0.415	---	---	23
24	---	0.0068	0 B	3.03 B	3.59	15.5	2.12	0.922	0.179	0.419	---	---	24
25	---	0.0058	0 B	3.35 B	3.31	15.8	1.88	0.864	0.230	0.407	---	---	25
26	---	0.0048	0 B	2.82 B	3.08	16.0	1.69	0.814	0.249	0.408	---	---	26
27	---	0.0038	0 B	2.77 B	2.76	15.1	1.61	0.731	0.258	0.430	---	---	27
28	---	0.0028	0 B	3.07 B	2.55	13.8	1.49	0.642	0.272	0.4218	---	---	28
29	---	---	0 B	3.82 B	2.33	12.4	1.43	0.570	0.284	0.4838	---	---	29
30	---	---	0 B	4.83 B	2.27	10.9	1.40	0.485	0.293	0.5508	---	---	30
31	---	---	0 B		2.14		1.42	0.430		0.5708	---	---	31
TOTAL	---	---	0.003	30.745	188.55	151.660	122.55	35.985	7.691	12.784	---	---	TOTAL
MEAN	---	---	0	1.02	6.08	5.06	3.95	1.16	0.256	0.412	---	---	MEAN
MAX	---	---	0.001	4.83	15.8	9.25	1.79	0.380	0.570	---	---	---	MAX
MIN	---	---	0	0	2.14	0.342	1.40	0.430	0.174	0.276	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.24
MAXIMUM DAILY, 15.8 ON JUN 25
MINIMUM DAILY, 0.0 ON MAR 4
MAXIMUM INSTANTANEOUS,
15.1 AT 07 30 MST ON JUN 25

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 36 00 N
LONG 118 29 00 W
DRAINAGE AREA, 819 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	10 800
FEB	---	AUG	3 110
MAR	0 28	SEP	685
APR	2 580	OCT	1 100
MAY	16 300	NOV	---
JUN	13 100	DEC	---

TOTAL DISCHARGE, 47 800 dam³

SOUTH FORK MILK RIVER NEAR BASS - STATION NO. 11AA033

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	3.65	2.01	1.13	1.50	0.878	0.286	0.538	0.793	---	---	1
2	---	---	3.09	1.84	1.08	1.44	0.793	0.255	0.453	1.64	---	---	2
3	---	---	2.48	1.39	1.05	1.42	0.651	0.224	0.340	1.13	---	---	3
4	---	---	2.35	1.25	2.80	1.39	0.595	0.280	0.311	0.878	---	---	4
5	---	---	1.81	1.15	4.45	1.76	0.680	0.340	0.425	0.736	---	---	5
6	---	---	1.76	1.15	2.80	3.88	0.708	0.283	0.821	0.680	---	---	6
7	---	---	1.87	1.10	2.35	2.61	0.623	0.246	0.680	0.595	---	---	7
8	---	---	1.67	1.10	1.98	2.07	0.538	0.235	0.538	0.623	---	---	8
9	---	---	1.84	1.13	1.73	2.07	0.538	0.235	0.991	0.680	---	---	9
10	---	---	1.39	1.22	1.58	1.58	0.566	0.224	1.42	0.708	---	---	10
11	---	---	1.42	1.36	1.42	1.33	0.538	0.224	0.821	0.680	---	---	11
12	---	---	1.27	1.27	1.33	1.16	0.481	0.215	0.566	0.651	---	---	12
13	---	---	1.22	1.33	1.25	1.16	0.481	0.224	0.595	0.595	---	---	13
14	---	---	1.25	1.44	1.42	1.13	0.453	0.235	0.765	0.538	---	---	14
15	---	---	1.16	1.87	1.70	1.22	0.425	0.224	0.736	0.538	---	---	15
16	---	---	1.13	2.07	2.28	1.19	0.396	0.195	0.708	0.481	---	---	16
17	---	---	1.05	1.73	2.27	1.02	0.453	0.187	0.851	0.481	---	---	17
18	---	---	0.991	1.38	1.81	0.934	0.425	0.173	0.821	0.453	---	---	18
19	---	---	0.963	1.19	1.53	0.934	0.396	0.159	1.53	0.453	---	---	19
20	---	---	1.10	1.10	1.42	0.878	0.396	0.150	1.25	0.425	---	---	20
21	---	---	1.25	1.10	1.90	0.906	0.368	0.159	1.22	0.425	---	---	21
22	---	---	1.44	1.19	2.35	0.878	0.340	0.184	0.906	0.425	---	---	22
23	---	0.2838	1.38	1.33	1.76	0.765	0.368	0.173	0.651	0.425	---	---	23
24	---	5.66 B	1.32	1.50	1.50	0.708	0.425	0.187	0.595	0.425	---	---	24
25	---	18.5	1.10	1.36	1.39	0.651	0.396	0.187	0.538	0.396	---	---	25
26	---	7.79	1.18	1.42	1.27	0.623	0.396	0.173	0.538	0.425	---	---	26
27	---	4.42	1.18	1.50	1.27	0.595	0.368	0.173	0.481	0.425A	---	---	27
28	---	3.71	1.67	1.27	1.61	0.623	0.368	0.184	0.453	0.425E	---	---	28
29	---	---	2.27	1.22	1.73	1.19	0.340	0.159	0.425	0.425E	---	---	29
30	---	---	2.01	1.16	1.58	1.33	0.283	0.184	0.396	0.396E	---	---	30
31	---	---	2.12		1.53		0.280	0.235		0.396E	---	---	31
TOTAL	---	---	50.094	40.73	55.32	36.925	14.965	6.512	21.134	18.345	---	---	TOTAL
MEAN	---	---	1.62	1.36	1.78	1.30	0.482	0.210	0.704	0.592	---	---	MEAN
MAX	---	---	3.65	2.07	4.45	3.88	0.878	0.340	1.53	1.64	---	---	MAX
MIN	---	---	0.963	1.10	1.05	0.595	0.280	0.150	0.311	0.396	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.00
MAXIMUM DAILY, 4.45 ON MAY 5
MINIMUM DAILY, 0.150 ON AUG 20
MAXIMUM INSTANTANEOUS,
28.3 ON FEB 24

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 45 14 N
LONG 113 10 00 W
DRAINAGE AREA, 181 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 290
FEB	---	AUG	563
MAR	4 330	SEP	1 830
APR	3 520	OCT	1 590
MAY	4 780	NOV	---
JUN	3 380	DEC	---

TOTAL DISCHARGE, 21 300 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

SOUTH HEART RESERVOIR NEAR MCLENNAN - STATION NO. 07BF008

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	3.713	3.390	3.505	3.381	3.581	3.377	3.230	---	---	1
2	---	---	---	3.702	3.389	3.495	3.367	3.581	3.370	3.225	---	---	2
3	---	---	---	3.674	3.379	3.487	3.364	3.582	3.364	3.218	---	---	3
4	---	---	---	3.641	3.387	3.489	3.353	3.574	3.364	3.222	---	---	4
5	---	---	---	3.609	3.395	3.491	3.359	3.570	3.355	3.209	---	---	5
6	---	---	---	3.581	3.414	3.483	3.353	3.582	3.350	3.203	---	---	6
7	---	---	---	3.558	3.436	3.470	3.349	3.556	3.346	3.220	---	---	7
8	---	---	---	3.527	3.447	3.445	3.341	3.546	3.339	3.208	---	---	8
9	---	---	---	3.507	3.462	3.440	3.334	3.538	3.329	3.194	---	---	9
10	---	---	---	3.483	3.466	3.422	3.326	3.531	3.321	3.197	---	---	10
11	---	---	---	3.461	3.486	3.421	3.309	3.517	3.345	3.192	---	---	11
12	---	---	---	3.435	3.481	3.421	3.305	3.511	3.329	3.188	---	---	12
13	---	---	---	3.404	3.485	3.420	3.304	3.499	3.323	3.187	---	---	13
14	---	---	---	3.372	3.497	3.418	3.301	3.483	3.320	3.178	---	---	14
15	---	---	---	3.364	3.490	3.408	3.332	3.470	3.310	3.179	---	---	15
16	---	---	---	3.357	3.490	3.395	3.353	3.473	3.305	3.180	---	---	16
17	---	---	---	3.356	3.477	3.385	3.375	3.468	3.298	3.176	---	---	17
18	---	---	---	3.357	3.481	3.377	3.389	3.466	3.292	3.167	---	---	18
19	---	---	---	3.368	3.483	3.349	3.414	3.459	3.285	3.169	---	---	19
20	---	---	---	3.377	3.469	3.318	3.438	3.456	3.281	3.166	---	---	20
21	---	---	---	3.387	3.480	3.312	3.468	3.452	3.273	3.160	---	---	21
22	---	---	---	3.395	3.482	3.319	3.484	3.446	3.264	3.159	---	---	22
23	---	---	---	3.400	3.458	3.321	3.503	3.437	3.274	3.158	---	---	23
24	---	---	---	3.407	3.477	3.351	3.514	3.433	3.262	3.151	---	---	24
25	---	---	---	3.407	3.491	3.381	3.527	3.429	3.259	3.149	---	---	25
26	---	---	---	3.403	3.500	3.389	3.542	3.424	3.257	3.147	---	---	26
27	---	---	3.723A	3.397	3.507	3.397	3.552	3.417	3.248	3.139	---	---	27
28	---	3.697A	3.719	3.392	3.524	3.401	3.562	3.411	3.236	3.154A	---	---	28
29	---		3.720	3.390	3.522	3.397	3.562	3.402	3.235	3.158E	---	---	29
30	---		3.721	3.392	3.521	3.392	3.570	3.401	3.239	3.156E	---	---	30
31	---		3.715		3.526		3.577	3.395		3.158E		---	31
MEAN	---	---	---	3.461	3.486	3.411	3.417	3.486	3.305	3.180	---	---	MEAN
MAX	---	---	---	3.713	3.526	3.505	3.577	3.582	3.377	3.230	---	---	MAX
MIN	---	---	---	3.366	3.379	3.312	3.301	3.395	3.235	3.139	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 40 50 N
LONG 116 35 50 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA, 2 080 km²

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 522.058 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

SOUTH SASKATCHEWAN RIVER AT HIGHWAY NO. 41 - STATION NO. 05AK001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	108 B	86.0B	7108	148	127	700	187	140	31.1	228	144	162 B	1
2	107 B	85.0B	6858	182	110	776	217	138	28.7	227	144	162 B	2
3	105 B	85.0B	3748	170	102	905	249	136	27.2	206	146	160 B	3
4	104 B	84.0B	3638	185	106	904	246	118	31.6	205	143	155 B	4
5	103 B	83.0B	3368	181	108	918	222	104	40.1	237	156	145 B	5
6	102 B	83.0B	3198	157	102	890	231	97.0	40.5	231	164	135 B	6
7	101 B	82.0B	2908	159	95.6	857	228	77.5	41.1	221	173	130 B	7
8	100 B	82.0B	2698	156	87.7	795	183	74.0	43.8	210	170 B	120 B	8
9	100 B	81.0B	2288	153	107	734	197	80.5	52.9	201	154 B	112 B	9
10	99.0B	81.0B	2318	146	126	715	174	55.4	47.8	197	94.0B	108 B	10
11	98.0B	80.0B	2188	138	134	665	147	63.0	45.5	199	88.0B	105 B	11
12	98.0B	80.0B	2078	138	125	609	137	65.1	44.3	208	46.0B	102 B	12
13	97.0B	79.0B	1978	141	117	557	112	67.4	46.5	210	32.0B	100 B	13
14	96.0B	79.0B	2068	155	123	517	92.9	65.0	46.4	203	27.5B	98.0B	14
15	96.1B	78.0B	2138	169	130	471	80.7	68.6	42.6	198	25.0B	97.0B	15
16	95.1B	78.0B	1978	176	127	447	80.0	64.7	40.6	192	24.0B	98.0B	16
17	95.0B	78.0B	193	166	122	419	98.9	58.0	53.9	186	45.0B	102 B	17
18	94.0B	77.0B	199	149	156	389	94.4	53.5	68.3	182	58.0B	103 B	18
19	93.0B	76.6B	208	132	186	378	88.5	55.1	63.3	184	80.0B	103 B	19
20	92.0B	76.0B	195	111	205	367	93.8	53.7	61.2	182	84.0B	104 B	20
21	92.0B	76.0B	185	90.9	218	348	89.1	53.1	62.8	191	91.0B	104 B	21
22	91.0B	75.0B	172	78.6	202	321	142	52.4	64.2	192	95.0B	103 B	22
23	91.0B	74.0B	182	82.3	209	298	187	53.4	91.1	191	98.0B	100 B	23
24	90.0B	74.0B	208	95.5	287	289	188	50.5	88.7	187	97.0B	101 B	24
25	90.0B	74.0B	195	99.2	405	269	139	47.5	88.3	187	94.0B	103 B	25
26	89.0B	74.0B	181	80.5	462	282	120	40.0	115	187	115 B	105 B	26
27	88.0B	80.0B	178	129	455	264	139	33.7	130	179	135 B	120 B	27
28	88.0B	106 B	180	158	428	218	134	33.1	125	171	148 B	122 B	28
29	87.1B		147	148	454	175	135	32.6	129	158	155 B	120 B	29
30	87.0B		142	141	525	165	150	30.4	163	149	160 B	122 B	30
31	86.0B		145		704		158	30.7		148		126 B	31
TOTAL	2 952.3	2 247.1	7 536	4 181.0	6 841.3	15 674	4 723.3	2 072.0	1 934.9	6 045	3 176.5	3 627.0	TOTAL
MEAN	95.5	80.3	243	139	221	522	152	66.8	64.5	195	106	117	MEAN
MAX	108	106	710	176	704	916	249	140	163	237	173	182	MAX
MIN	86.0	74.0	142	78.6	87.7	165	80.0	30.4	27.2	148	25.0	87.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 187
MAXIMUM DAILY, 916 ON JUN 5
MINIMUM DAILY, 25.0B ON NOV 15
MAXIMUM INSTANTANEOUS,
943 AT 13:45 MST ON JUN 3

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 44 15 N
LONG 110 05 45 W
DRAINAGE AREA, 86 000 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	255 000	JUL	408 000
FEB	194 000	AUG	179 000
MAR	651 000	SEP	167 000
APR	359 000	OCT	522 000
MAY	591 000	NOV	274 000
JUN	1 350 000	DEC	313 000

TOTAL DISCHARGE, 5 280 000 dam³

SOUTH SASKATCHEWAN RIVER AT MEDICINE HAT - STATION NO. 05AJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	105 B	85.0B	3658	161	107	709	210	141	38.0	212	149	180 B	1
2	104 B	84.0B	3788	163	101	816	254	130	33.9	186	148	155 B	2
3	103 B	83.0B	3338	164	104	845	238	116	41.0	204	147	145 B	3
4	102 B	83.0B	318	159	94.5	849	217	107	38.4	228	162	135 B	4
5	101 B	82.0B	289	158	93.8	836	230	83.4	41.1	223	184	130 B	5
6	100 B	82.0B	268	158	87.0	810	211	86.5	44.3	213	183	120 B	6
7	100 B	81.0B	227	156	91.9	772	178	88.8	55.7	203	155	112 B	7
8	99.0B	81.0B	231	153	122	724	182	56.7	49.0	186	142	108 B	8
9	98.0B	80.0B	219	147	127	681	161	77.0	46.4	193	86.7	105 B	9
10	98.0B	80.0B	207	141	136	666	140	70.9	46.2	197	32.0B	102 B	10
11	97.0B	79.0B	197	142	132	624	130	78.9	48.4	206	28.0B	100 B	11
12	96.0B	79.0B	208	146	131	568	99.2	71.5	47.4	210	25.0B	98.0B	12
13	96.0B	78.0B	213	159	138	523	86.5	84.0	43.4	201	23.0B	97.0B	13
14	95.0B	78.0B	197	169	137	474	76.7	70.0	40.3	197	24.0B	98.0B	14
15	95.0B	78.0B	180	170	136	450	91.0	62.6	53.5	190	27.0B	102 B	15
16	94.0B	77.0B	176	162	132	417	101	56.1	70.5	183	38.0B	103 B	16
17	93.0B	76.6B	182	142	175	382	93.1	58.4	66.4	182	55.0B	103 B	17
18	92.0B	76.0B	188	128	182	367	93.5	58.1	61.8	182	75.0B	104 B	18
19	92.0B	76.0B	176	102	200	367	94.0	55.5	62.3	180	85.0B	104 B	19
20	91.0B	75.0B	168	85.8	204	340	96.2	57.9	60.3	190	90.0B	103 B	20
21	91.0B	74.0B	159	76.1	176	309	173	55.8	89.3	190	92.0B	100 B	21
22	90.0B	74.0B	160	101	195	287	182	54.5	74.1	189	90.0B	101 B	22
23	90.0B	74.0B	195	99.2	280	281	152	51.0	60.8	185	80.0B	103 B	23
24	89.0B	74.0B	178	95.9	405	283	121	40.1	67.2	186	100 B	105 B	24
25	88.0B	80.0B	170	85.9	458	285	136	31.6	98.2	186	115 B	120 B	25
26	88.0B	100 B	185	162	449	255	135	33.0	110	176	137 B	122 B	26
27	87.1B	700 B	148	153	408	193	141	31.7	109	168	155 B	120 B	27
28	87.0B	455 B	141	146	435	160	140	30.9	119	155	160 B	122 B	28
29	86.0B		143	138	482	153	184	31.0	184	149	162 B	126 B	29
30	86.0B		145	119	650	189	191	30.7	218	147	162 B	130 B	30
31	85.0B		149		653		139	28.9		147		128 B	31
TOTAL	2 918.1	3 224.8	6 491	4 141 B	7 220.2	14 819	4 818.2	2 010 5	2 088.0	5 854	3 081 7	3 561.0	TOTAL
MEAN	94.1	115	209	138	233	487	149	64.9	69.6	189	103	115	MEAN
MAX	105	700	378	170	653	849	254	141	218	228	184	180	MAX
MIN	85.0	74.0	141	76.1	87.0	153	76.7	28.9	28.0	147	23.0	87.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 164
MAXIMUM DAILY, 849 ON JUN 4
MINIMUM DAILY, 23.0B ON NOV 13
MAXIMUM INSTANTANEOUS,
872 AT 23:07 MST ON JUN 2

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 02 35 N
LONG 110 40 40 W
DRAINAGE AREA 55 400 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	252 000	JUL	399 000
FEB	279 000	AUG	174 000
MAR	561 000	SEP	180 000
APR	358 000	OCT	505 000
MAY	624 000	NOV	266 000
JUN	1 280 000	DEC	308 000

TOTAL DISCHARGE, 5 170 000 dam³

SOUTH WABASCA LAKE NEAR DESMARAIS - STATION NO. 07JA002

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---										
2	---	---	---	0.311	0.338	0.485	0.638	1.043	0.955	0.773	---	---	1
3	---	---	---	0.308	0.338	0.475	0.625	1.045	0.936	0.774	---	---	2
4	---	---	---	0.308	0.339	0.486	0.618	1.048	0.928	0.760	---	---	3
5	---	---	---	0.305	0.340	0.497	0.611	1.048	0.946	0.760	---	---	4
				0.305	0.344	0.495	0.622	1.052	0.938	0.755	---	---	5
6	---	---	---										
7	---	---	---	0.305	0.352	0.487	0.643	1.055	0.933	0.749	---	---	6
8	---	---	---	0.308	0.359	0.497	0.653	1.052	0.924	0.755	---	---	7
9	---	---	---	0.304	0.357	0.478	0.674	1.046	0.918	0.781	---	---	8
10	---	---	---	0.303	0.359	0.481	0.673	1.067	0.915	0.702	---	---	9
				0.304	0.375	0.474	0.674	1.064	0.906	0.726	---	---	10
11	---	---	---										
12	---	---	---	0.304	0.388	0.481	0.650	1.063	0.890	0.738	---	---	11
13	---	---	---	0.301	0.382	0.484	0.682	1.055	0.892	0.730	---	---	12
14	---	---	---	0.300	0.385	0.494	0.680	1.061	0.877	0.725	---	---	13
15	---	---	---	0.300	0.381	0.496	0.691	1.024	0.871	0.712	---	---	14
				0.299	0.387	0.501	0.701	1.027	0.862	0.710	---	---	15
16	---	---	---										
17	---	---	---	0.298	0.400	0.488	0.719	1.048	0.850	0.710	---	---	16
18	---	---	---	0.302	0.386	0.488	0.731	1.044	0.848	0.699	---	---	17
19	---	---	---	0.305	0.382	0.486	0.758	1.033	0.840	0.685	---	---	18
20	---	---	---	0.311	0.382	0.481	0.800	1.005	0.834	0.682	---	---	19
				0.316	0.389	0.488	0.858	1.043	0.828	0.680	---	---	20
21	---	---	---										
22	---	---	---	0.320	0.388	0.500	0.938	1.036	0.819	0.672	---	---	21
23	---	---	---	0.323	0.395	0.555	0.972	1.032	0.810	0.673	---	---	22
24	---	---	---	0.324	0.423	0.581	0.995	1.007	0.811	0.684	---	---	23
25	---	0.403A	0.312A	0.326	0.442	0.576	1.018	0.985	0.804	0.659	---	---	24
				0.325	0.480	0.595	1.027	0.886	0.798	0.658	---	---	25
26	---	---	0.315E	0.326	0.478	0.611	1.034	0.987	0.786	0.644	---	---	26
27	---	---	0.315A	0.319	0.480	0.623	1.036	0.981	0.788	0.805	---	---	27
28	---	---	0.319	0.319	0.498	0.630	1.025	0.981	0.792	0.609	---	---	28
29	---		0.318	0.322	0.500	0.630	1.020	0.978	0.788	0.625A	---	---	29
30	---		0.313	0.329	0.492	0.630	1.028	0.938	0.782	0.625E	---	---	30
31	---		0.311		0.502		1.040	0.868		0.625E		---	31
MEAN	---	---	---	0.311	0.402	0.522	0.800	1.026	0.862	0.688	---	---	MEAN
MAX	---	---	---	0.326	0.502	0.630	1.040	1.067	0.956	0.774	---	---	MAX
MIN	---	---	---	0.298	0.338	0.474	0.611	0.965	0.782	0.609	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 1.067 ON AUG 9

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 56 23 N
LONG 113 48 18 W

A - MANUAL GAUGE

E - ESTIMATED

DRAINAGE AREA,
1 800 km²

SPRAY POWER DIVERSION AT CANMORE - STATION NO. 05BE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	10.2	15.2	15.2	14.6	12.3	16.1	15.1	17.2	6.85	5.78	3.17	18.5	1
2	14.2	20.2	13.7	14.4	11.6	0	14.2	17.0	5.52	5.55	3.03	16.1	2
3	13.0	20.0	14.7	14.1	11.1	0	14.5	17.8	6.31	5.72	5.75	17.6	3
4	11.7	21.8	15.9	13.8	12.5	10.2	16.2	17.5	3.37	3.34	7.11	17.1	4
5	10.6	19.6	17.5	12.8	12.8	13.1	16.2	17.2	3.62	2.27	8.99	17.3	5
6	14.0	19.4	17.9	13.1	12.7	17.3	14.7	14.2	2.10	4.87	8.94	11.5	6
7	12.8	17.3	13.6	13.2	12.6	17.0	17.1	14.3	3.45	2.61	11.9	11.2	7
8	13.8	16.8	12.8	13.0	12.5	19.3	13.1	11.7	3.34	3.74	11.2	17.2	8
9	13.0	18.4	13.7	13.8	12.6	22.4	14.3	9.00	3.45	4.90	10.4	12.7	9
10	14.7	17.8	15.1	15.7	12.6	21.4	14.5	11.6	2.49	4.30	11.4	14.5	10
11	9.03	17.4	15.1	14.7	12.5	20.2	13.5	12.8	0	1.27	17.4	16.9	11
12	13.8	17.5	14.0	15.1	12.5	18.5	11.2	10.9	5.44	1.38	10.5	16.5	12
13	12.9	17.6	14.5	8.75	8.24	20.9	11.3	9.37	8.40	1.44	9.88	11.2	13
14	15.3	17.3	16.5	2.10	1.42	19.2	11.1	9.23	5.12	1.81	18.5	11.0	14
15	13.8	18.7	13.8	3.40	1.87	20.1	8.75	8.55	8.83	4.47	8.81	17.9	15
16	14.4	19.4	12.0	1.59	0.680	19.9	10.4	8.55	8.41	5.61	9.80	18.0	16
17	14.0	17.7	14.0	0.385	2.72	19.4	14.6	8.44	8.51	4.05	17.0	17.9	17
18	13.5	17.2	13.3	0.481	0.113	21.2	10.8	10.1	4.93	0	15.7	19.1	18
19	14.8	20.6	14.6	0.396	0	25.3	7.25	8.87	3.23	0	17.0	20.6	19
20	13.3	16.4	13.3	0.396	0	24.8	2.15	9.15	4.13	4.38	17.0	14.2	20
21	15.8	14.8	15.0	0.821	3.31	24.0	9.40	8.52	3.54	4.25	15.2	14.3	21
22	16.3	17.0	14.8	0.708	14.2	24.3	11.0	11.9	3.60	3.84	10.5	19.0	22
23	13.1	18.7	14.8	0.821	12.8	22.1	15.1	12.2	1.64	4.30	12.2	17.8	23
24	15.4	18.3	15.6	0.396	11.3	13.6	15.3	5.47	4.42	4.11	14.1	18.3	24
25	16.2	14.4	11.7	0.396	12.5	14.8	14.8	6.77	4.79	2.87	17.0	14.3	25
26	14.8	18.2	14.0	0.906	12.3	14.9	18.5	6.03	13.3	2.86	17.4	16.6	26
27	17.6	17.2	14.8	0.396	13.1	14.6	20.4	6.17	19.3	4.33	17.0	17.4	27
28	20.2	17.1	14.2	0.396	10.9	14.9	19.9	5.52	15.1	3.79	16.0	17.1	28
29	17.8		14.3	5.97	0.510	10.8	19.8	5.78	8.83	4.36	11.1	20.0	29
30	20.1		14.3	7.48	0	15.1	16.2	6.37	7.05	6.09	11.2	20.1	30
31	19.9		15.9		0		13.9	6.12		5.64		22.8	31
TOTAL	450.43	506.8	451.3	204.099	253.863	516.4	425.25	324.11	177.07	113.72	361.78	515.8	TOTAL
MEAN	14.5	18.1	14.6	6.80	8.19	17.2	13.7	10.5	5.90	3.67	12.1	16.6	MEAN
MAX	20.2	21.8	17.9	15.7	14.2	25.3	20.4	17.8	19.3	6.09	18.5	22.8	MAX
MIN	9.03	14.4	11.7	0.396	0	0	2.15	5.47	0	0	3.03	11.0	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.8
MAXIMUM DAILY, 25.3 ON JUN 19
MINIMUM DAILY, 0 ON MAY 18

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 51 05 20 N
LONG 115 22 25 W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	38 900	JUL	36 700
FEB	43 800	AUG	28 000
MAR	39 000	SEP	15 300
APR	17 600	OCT	9 830
MAY	21 900	NOV	31 300
JUN	44 600	DEC	44 600

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

TOTAL DISCHARGE, 372 000 dam³

SPRAY RESERVOIR AT THREE SISTERS DAM - STATION NO. 05BC006

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1698.16	1696.21	1693.83	1691.64	1690.85	1693.63	1698.22	1700.33	1701.12	1701.27	1701.64	1700.57	1
2	1698.10	1696.12	1693.67	1691.55	1690.79	1694.32	1698.32	1700.36	1701.15	1701.27	1701.64	1700.51	2
3	1698.04	1696.03	1693.77	1691.49	1690.76	1694.72	1698.41	1700.36	1701.18	1701.27	1701.64	1700.45	3
4	1698.01	1695.94	1693.71	1691.40	1690.73	1694.89	1698.50	1700.38	1701.18	1701.30	1701.64	1700.38	4
5	1697.98	1695.85	1693.62	1691.34	1690.68	1695.24	1698.53	1700.36	1701.21	1701.30	1701.61	1700.33	5
6	1697.92	1695.75	1693.53	1691.27	1690.80	1695.48	1698.58	1700.39	1701.24	1701.33	1701.61	1700.30	6
7	1697.86	1695.66	1693.44	1691.18	1690.54	1695.72	1698.65	1700.42	1701.27	1701.33	1701.55	1700.24	7
8	1697.80	1695.60	1693.38	1691.15	1690.51	1695.81	1698.68	1700.42	1701.27	1701.36	1701.52	1700.20	8
9	1697.74	1695.51	1693.35	1691.06	1690.48	1696.06	1698.74	1700.48	1701.30	1701.36	1701.49	1700.17	9
10	1697.71	1695.42	1693.22	1691.00	1690.45	1696.15	1698.80	1700.51	1701.30	1701.39	1701.45	1700.11	10
11	1697.64	1695.33	1693.16	1690.91	1690.39	1696.30	1698.86	1700.54	1701.27	1701.39	1701.39	1700.05	11
12	1697.61	1695.27	1693.07	1690.88	1690.42	1696.43	1698.92	1700.60	1701.27	1701.42	1701.38	1699.99	12
13	1697.55	1695.18	1693.01	1690.81	1690.45	1696.55	1698.99	1700.63	1701.27	1701.45	1701.36	1699.83	13
14	1697.46	1695.08	1692.82	1690.81	1690.48	1696.64	1699.08	1700.69	1701.27	1701.45	1701.30	1699.90	14
15	1697.43	1694.99	1692.86	1690.91	1690.51	1696.79	1699.14	1700.72	1701.30	1701.49	1701.27	1699.84	15
16	1697.34	1694.93	1692.80	1690.94	1690.54	1696.91	1699.23	1700.72	1701.27	1701.49	1701.24	1699.78	16
17	1697.31	1694.84	1692.74	1690.94	1690.57	1697.03	1699.32	1700.78	1701.27	1701.49	1701.21	1699.72	17
18	1697.25	1694.75	1692.65	1690.94	1690.60	1697.16	1699.41	1700.78	1701.27	1701.52	1701.18	1699.63	18
19	1697.19	1694.66	1692.58	1690.94	1690.66	1697.25	1699.50	1700.78	1701.30	1701.52	1701.15	1699.56	19
20	1697.13	1694.63	1692.52	1690.94	1690.70	1697.34	1699.66	1700.81	1701.33	1701.55	1701.06	1699.50	20
21	1697.07	1694.54	1692.46	1690.97	1690.70	1697.37	1699.75	1700.78	1701.33	1701.55	1701.00	1699.47	21
22	1697.00	1694.44	1692.37	1691.00	1690.70	1697.37	1699.84	1700.81	1701.36	1701.55	1701.00	1699.38	22
23	1696.94	1694.35	1692.31	1691.03	1690.73	1697.43	1699.90	1700.84	1701.36	1701.55	1700.97	1699.32	23
24	1696.88	1694.29	1692.22	1691.03	1690.73	1697.52	1699.98	1700.88	1701.36	1701.55	1700.94	1699.26	24
25	1696.79	1694.23	1692.16	1690.97	1690.79	1697.61	1700.05	1700.91	1701.39	1701.58	1700.88	1699.17	25
26	1696.73	1694.14	1692.07	1690.97	1690.84	1697.74	1700.11	1700.91	1701.36	1701.61	1700.81	1699.11	26
27	1696.67	1694.08	1692.01	1690.97	1691.27	1697.80	1700.14	1700.94	1701.30	1701.61	1700.75	1699.05	27
28	1696.58	1693.96	1691.91	1690.94	1691.76	1697.88	1700.17	1700.97	1701.27	1701.61	1700.88	1698.99	28
29	1696.49		1691.85	1690.97	1692.31	1698.01	1700.20	1701.00	1701.24	1701.61	1700.88	1698.92	29
30	1696.39		1691.79	1690.94	1692.83	1698.13	1700.24	1701.00	1701.27	1701.61	1700.63	1698.83	30
31	1696.30		1691.70		1693.35		1700.30	1701.06		1701.61		1698.74	31
MEAN	1697.32	1695.06	1692.81	1691.07	1690.90	1696.59	1699.30	1700.88	1701.28	1701.46	1701.22	1699.72	MEAN
MAX	1698.16	1696.21	1693.83	1691.64	1693.35	1698.13	1700.30	1701.06	1701.39	1701.61	1701.64	1700.57	MAX
MIN	1696.30	1693.86	1691.70	1690.88	1690.39	1693.83	1698.22	1700.33	1701.12	1701.27	1700.63	1698.74	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MEAN, 1697.30
MAXIMUM DAILY, 1701.64 ON NOV 1
MINIMUM DAILY, 1690.39 ON MAY 11

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 59 00 N
LONG 115 22 00 W
DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SPRAY RIVER AT BANFF - STATION NO. 05BC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.21B	2.67B	2.89B	2.13E	2.34	15.3	6.54	5.97	3.82	3.93	3.05	2.28B	1
2	2.18B	2.60B	2.80B	2.11E	2.39	14.7	6.51	5.82	3.78	3.89	3.37	2.37B	2
3	2.12B	2.55B	2.76B	2.11E	2.53	13.3	6.82	5.69	3.69	3.78	3.49	2.24B	3
4	2.15B	2.52B	2.68B	2.13E	2.65	11.6	6.49	5.61	3.72	3.72	3.41	2.15B	4
5	2.25B	2.50B	2.63B	2.17E	2.69	11.3	6.23	5.77	3.80	3.78	3.42	2.17B	5
6	2.35B	2.52B	2.58B	2.25E	2.67	11.1	5.96	5.54	3.84	4.08	3.40	2.23B	6
7	2.50B	2.49B	2.53B	2.40E	2.65	11.1	5.80	5.45	3.54	4.28	3.27	2.28B	7
8	2.60B	2.43B	2.51B	2.51E	2.71	10.7	5.73	5.34	3.44	4.11	2.71	2.33B	8
9	2.75B	2.36B	2.48B	2.45E	2.74	9.92	5.85	5.21	3.41	4.14	2.41E	2.23B	9
10	2.69B	2.31B	2.41B	2.15E	2.85	9.58	5.73	5.10	3.40	4.06	2.46E	2.15B	10
11	2.71B	2.25B	2.40B	1.98E	2.92	9.56	5.67	5.02	3.44	3.98	2.54E	2.06B	11
12	2.73B	2.21B	2.30B	1.90E	2.95	9.20	5.62	4.94	3.55	3.90	2.60E	2.08B	12
13	2.73B	2.18B	2.22B	2.14E	3.02	8.88	5.46	5.09	3.85	3.89	2.65E	2.11B	13
14	2.72B	2.13B	2.16B	2.23A	2.95	8.64	5.40	4.95	3.66	3.85	2.70E	2.17B	14
15	2.71B	2.09B	2.14B	2.09	2.85	9.50	5.67	4.82	3.64	3.89	2.86E	2.19B	15
16	2.70B	2.07B	2.18B	2.09	2.88	8.89	5.74	4.71	3.57	3.83	2.99E	2.05B	16
17	2.69B	2.02B	2.21B	2.07	2.98	8.42	7.31	4.60	3.67	3.79	2.96E	1.97B	17
18	2.68B	2.02B	2.25B	2.02	3.10	8.90	6.98	4.51	3.58	3.68	2.94E	1.87B	18
19	2.67B	2.08B	2.34B	2.09	3.44	9.18	7.38	4.46	3.56	3.70	3.08E	1.75B	19
20	2.65B	2.21B	2.41B	2.24	4.27	8.43	7.45	4.40	3.52	3.62	3.16E	1.83B	20
21	2.65B	2.35B	2.31B	2.36	5.21	7.62	7.15	4.29	3.49	3.58	3.13E	1.95B	21
22	2.65B	2.48B	2.20B	2.52	5.24	7.15	6.88	4.23	3.44	3.57	3.09E	2.50B	22
23	2.66B	2.50B	2.00B	2.39	5.08	6.99	6.77	4.11	3.38	3.56	3.06E	3.00B	23
24	2.64B	2.67B	1.99B	2.29	5.20	7.51	6.41	3.96	3.40	3.52	3.07E	2.97B	24
25	2.63B	2.68B	2.03B	2.30	6.68	7.42	6.21	3.83	3.87	3.44	3.09E	2.95B	25
26	2.62B	2.84B	2.02B	2.38	11.4	7.20	6.15	3.73	4.14	3.43	2.98A	2.97B	26
27	2.61B	2.90B	2.23B	2.44	16.1	6.80	6.60	3.72	3.94	3.62	2.93E	2.99B	27
28	2.61B	2.90B	2.30B	2.45	17.4	6.58	6.49	3.67	3.84	3.54	2.88E	2.97B	28
29	2.63B		2.27B	2.37	17.2	6.77	6.55	3.68	3.77	3.50	2.75B	3.01B	29
30	2.65B		2.20B	2.34	16.5	6.75	6.32	3.94	3.91	3.56	2.46B	3.08B	30
31	2.69B		2.17B		16.0		6.13	3.97		3.43		2.80B	31
TOTAL	79.83	67.53	72.60	67.11	178.62	278.68	195.98	148.12	109.27	116.66	88.89	73.71	TOTAL
MEAN	2.58	2.41	2.34	2.24	5.79	9.29	6.32	4.71	3.64	3.76	2.96	2.38	MEAN
MAX	2.75	2.90	2.89	2.52	17.4	15.3	7.45	5.97	4.14	4.28	3.49	3.08	MAX
MIN	2.12	2.02	1.99	1.90	2.34	6.58	5.40	3.67	3.38	3.43	2.41	1.75	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.04
MAXIMUM DAILY, 17.4 ON MAY 28
MINIMUM DAILY, 1.75B ON DEC 19
MAXIMUM INSTANTANEOUS,
20.6 AT 21:36 MST ON MAY 28

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 09 30 N
LONG 115 33 00 W
DRAINAGE AREA, 749 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1949

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	6 900	JUL	16 900
FEB	5 830	AUG	12 800
MAR	6 270	SEP	9 440
APR	5 800	OCT	10 100
MAY	15 500	NOV	7 680
JUN	24 100	DEC	6 370

TOTAL DISCHARGE, 127 000 dam³

SPRING CREEK (UPPER) NEAR VALLEYVIEW - STATION NO. 07GF004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.097B	0.515	0.104	0.003	0.030	0	0.119	0.040B	0.006B	1
2	---	---	---	0.087B	0.556	0.075	0.003	0.018	0	0.078	0.039B	---	2
3	---	0.002B	0.004B	0.111B	0.597	0.061	0.003	0.015	0	0.056	0.035B	---	3
4	---	---	---	0.156B	0.835	0.023	0.003	0.011	0.001	0.071	0.031B	---	4
5	---	---	---	0.247B	0.736	0.018	0.003	0.011	0.001	0.090	---	---	5
6	0.006B	---	---	0.478B	0.763	0.003	0.003	0.008	0	0.071	---	---	6
7	---	---	---	0.633B	0.588	0.003	0.003	0.007	0	0.060	---	---	7
8	---	---	---	0.935B	0.434	0.023	0.003	0.005	0	0.049	---	0.004B	8
9	---	---	---	1.24 B	0.506	0.018	0.003	0.004	0	0.051	---	---	9
10	---	0.004B	0.005B	1.29 B	0.384	0.022	0.003	0.004	0	0.055	0.018B	---	10
11	---	---	0.008B	0.860B	0.278	0.025	0.003	0.003	0.001	0.052	---	---	11
12	---	---	0.010B	0.614B	0.260	0.021	0.003	0.003	0	0.042	---	---	12
13	0.003B	---	0.011B	0.452B	0.282	0.012	0.003	0.003	0	0.038	---	---	13
14	---	---	0.011B	0.362B	0.362	0.008	0.003	0.003	0	0.031	---	---	14
15	---	---	0.016B	0.332B	0.593	0.011	0.026	0.002	0	0.035	---	0.003B	15
16	---	---	0.010B	0.425B	0.480	0.009	0.118	0.002	0	0.031	---	---	16
17	---	0.003B	0.008B	0.906B	0.367	0.025	0.118	0.002	0	0.048	0.010B	---	17
18	---	---	0.006B	1.72	0.316	0.028	0.138	0.001	0	0.036	---	---	18
19	---	---	0.005B	1.91	0.318	0.095	0.103	0.001	0	0.030	---	---	19
20	0.002B	---	0.006B	1.69	0.302	0.061	0.086	0	0	0.029	---	---	20
21	---	---	0.009B	1.24	0.289	0.032	0.045	0	0	0.027	---	---	21
22	---	---	0.016B	0.865B	0.643	0.022	0.019	0	0	0.023	---	0.002B	22
23	---	---	0.016B	0.705B	0.772	0.017	0.134	0	0	0.018	---	---	23
24	---	0.002B	0.015B	0.584B	0.583	0.011	0.212	0	0	0.019	0.007B	---	24
25	---	---	0.013B	0.487	0.432	0.005	0.129	0	0	0.018	---	---	25
26	---	---	0.015B	0.398	0.387	0.004	0.073	0	0	0.017	---	---	26
27	0.004B	---	0.020B	0.318	0.295	0.003	0.052	0	0.010	0.016	---	---	27
28	---	---	0.032B	0.284	0.326	0.003	0.038	0	0.031	0.017B	---	---	28
29	---		0.045B	0.347	0.257	0.003	0.038	0	0.052	0.018B	---	0.002B	29
30	---		0.071B	0.524	0.167	0.003	0.068	0	0.095	0.016B	---	---	30
31	---		0.105B		0.128		0.061	0		0.021B		---	31
TOTAL	---	---	---	20.447	13.711	0.745	1.479	0.134	0.191	1.280	---	---	TOTAL
MEAN	---	---	---	0.682	0.442	0.025	0.048	0.004	0.006	0.041	---	---	MEAN
MAX	---	---	---	1.91	0.835	0.104	0.212	0.030	0.095	0.119	---	---	MAX
MIN	---	---	---	0.087	0.128	0.003	0.003	0	0	0.018	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.178
MAXIMUM DAILY, 1.91 ON APR 19
MINIMUM DAILY, 0 ON AUG 20
MAXIMUM INSTANTANEOUS,
2.14 AT 03:09 MST ON APR 19

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 55 45 N
LONG 117 42 20 W
DRAINAGE AREA, 33.4 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	128
FEB	---	AUG	11.5
MAR	---	SEP	16.5
APR	1 770	OCT	111
MAY	1 180	NOV	---
JUN	84.4	DEC	---

TOTAL DISCHARGE, 3 280 dam³

SPRING CREEK NEAR VALLEYVIEW - STATION NO. 07EF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.2138	2.00	0.319	0.007	0.082	0.001	0.271	---	---	1
2	---	---	---	0.3069	1.92	0.252	0.004	0.072	0.004	0.168	---	---	2
3	---	---	---	0.4118	2.35	0.207	0.002	0.054	0.003	0.112	---	---	3
4	---	---	---	0.7278	2.69	0.175	0.002	0.038	0.010	0.147	---	---	4
5	---	---	---	1.37 B	2.61	0.118	0.003	0.031	0.005	0.181	0.0308	---	5
6	---	---	---	1.68 B	2.54	0.092	0.015	0.0232	0.002	0.172	---	---	6
7	---	---	---	2.23 B	1.96	0.076	0.014	0.020E	0.002	0.145	---	---	7
8	---	---	---	2.57 B	1.61	0.063	0.009	0.0185	0.002	0.144	---	---	8
9	---	---	---	3.25 B	1.39	0.048	0.015	0.0118	0.002	0.119	---	---	9
10	---	---	---	2.58 B	1.19	0.042	0.011	0.0118	0.002	0.118	---	---	10
11	---	---	---	2.30 B	0.970	0.051	0.007	0.0118	0.007	0.122	---	---	11
12	---	---	---	1.79 B	0.881	0.038	0.003	0.0082	0.017	0.111	---	---	12
13	---	---	0.0328	1.33 B	0.818	0.054	0.007	0.007	0.018	0.105	---	---	13
14	---	---	---	0.8208	1.13	0.042	0.014	0.004	0.006	0.094	---	---	14
15	---	---	---	0.9438	1.83	0.040	0.039	0.003	0.004	0.086	---	---	15
16	---	---	---	1.22 B	1.58	0.042	0.184	0.002	0.002	0.085	---	---	16
17	---	---	0.0258	2.84 B	1.27	0.059	0.283	0.002	0.002	0.082	---	---	17
18	---	---	0.0128	5.10 B	1.10	0.070	0.380	0.002	0.002	0.087	---	---	18
19	---	---	0.0238	4.76 B	0.994	0.189	0.287	0.002	0.002	0.085	---	---	19
20	---	---	0.0238	3.62 B	0.930E	0.210	0.190	0.002	0.002	0.072	---	---	20
21	---	---	0.0518	3.72	0.900E	0.213	0.114	0.001	0.003	0.063	---	---	21
22	---	---	0.1038	2.96	1.08 E	0.059	0.074	0.001	0.003	0.060	---	---	22
23	---	---	0.0828	2.24	2.38 E	0.061	0.200	0.001	0.003	0.0658	---	---	23
24	---	---	0.0528	1.78	1.75	0.040	0.557	0.002	0.003	0.0628	---	---	24
25	---	---	0.0438	1.33	1.38	0.031	0.371	0.004	0.003	0.055	---	---	25
26	---	---	0.0588	0.997	1.06	0.025	0.242	0.002	0.011	0.056	---	---	26
27	---	---	0.1418	0.799	0.903	0.021	0.180	0.001	0.065	0.056	---	---	27
28	---	---	0.1838	0.773	0.753	0.015	0.155	0.001	0.064	0.055	---	---	28
29	---		0.2538	1.29	0.731	0.010	0.124	0.002	0.043	0.0558	---	---	29
30	---		0.2748	2.13	0.560	0.008	0.094	0.001	0.103	0.0488	---	---	30
31	---		0.3518		0.352		0.135	0.001		0.0528		---	31
TOTAL	---	---	---	53.281	44.421	2.915	3.692	0.427	0.401	3.139	---	---	TOTAL
MEAN	---	---	---	1.93	1.43	0.081	0.110	0.014	0.013	0.101	---	---	MEAN
MAX	---	---	---	5.10	2.69	0.319	0.557	0.103	0.103	0.271	---	---	MAX
MIN	---	---	---	0.308	0.352	0.008	0.002	0.001	0.001	0.048	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.528
MAXIMUM DAILY, 5.100 ON APR 19
MINIMUM DAILY, 0.001 ON AUG 21
MAXIMUM INSTANTANEOUS,
6.13 AT 01 21 MST ON APR 19

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 55 05 N
LONG 117 50 55 W
DRAINAGE AREA, 112 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	219
FEB	---	AUG	35.0
MAR	---	SEP	34.6
APR	5 040	OCT	271
MAY	3 040	NOV	---
JUN	235	DEC	---

TOTAL DISCHARGE, 9 780 dam³

SQUAW COULEE DIVERSION BELOW SQUAW COULEE DAM - STATION NO. 05AC01Y

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	1.06	1.24	1.13	0.717	0.456	---	---	1
2	---	---	---	---	0	1.06	1.23	1.06	0.732	0.5008	---	---	2
3	---	---	---	---	0	1.10	1.26	1.06	0.743	0.5008	---	---	3
4	---	---	---	---	0	1.11	1.27	1.06	0.764	0.5008	---	---	4
5	---	---	---	---	0	1.17	1.27	1.06	0.764	0.5008	---	---	5
6	---	---	---	---	0	1.22	1.26	1.06	0.787	0.5002	---	---	6
7	---	---	---	---	0	1.22	1.24	1.06	0.786	0.5008	---	---	7
8	---	---	---	---	0	1.22	1.26	1.06	0.785	0.5002	---	---	8
9	---	---	---	---	0	1.22	1.26	1.06	0.785	0.5002	---	---	9
10	---	---	---	---	0.3228	1.21	1.32	1.03	0.784	0.501A	---	---	10
					0.313	1.21	1.33	1.03	0.762	0.498	---	---	
11	---	---	---	---	0.303	1.21	1.34	1.03	0.761	0.496	---	---	11
12	---	---	---	---	0.300	1.23	1.34	1.03	0.759	0.494	---	---	12
13	---	---	---	---	0.496	1.21	1.35	1.02	0.757	0.492	---	---	13
14	---	---	---	---	0.386	1.18	1.35	1.04	0.756	0.490	---	---	14
15	---	---	---	---	0.469	1.17	1.36	1.01	0.754	0.488	---	---	15
16	---	---	---	---	0.513	1.17	1.36	1.01	0.752	0.486	---	---	16
17	---	---	---	---	0.510	1.19	1.65	1.02	0.747	0.484	---	---	17
18	---	---	---	---	0.511	1.18	1.64	0.859	0.747	0.482	---	---	18
19	---	---	---	---	0.511	1.18	1.59	0.655	0.748	0.480	---	---	19
20	---	---	---	---	0.472	1.19	1.55	0.752	0.748	0.399	---	---	20
21	---	---	---	---	0.376	1.19	1.53	0.748	0.748	0.343	---	---	21
22	---	---	---	---	0.406	1.19	1.53	0.748	0.748	0.238	---	---	22
23	---	---	---	---	0.440	1.19	1.51	0.748	0.748	0	---	---	23
24	---	---	---	---	0.438	1.19	1.50	0.735	0.716	0	---	---	24
25	---	---	---	---	0.435	1.19	1.49	0.709	0.714	0	---	---	25
26	---	---	---	---	0.665	1.19	1.48	0.710	0.714	0	---	---	26
27	---	---	---	---	0.760	1.20	1.48	0.712	0.712	0	---	---	27
28	---	---	---	---	0.791	1.20	1.49	0.714	0.730	0	---	---	28
29	---	---	---	---	0.818	1.21	1.22	0.716	0.787	0	---	---	29
30	---	---	---	---	0.879	1.23	1.36	0.717	0.681	0	---	---	30
31	---	---	---	---	1.03		1.34	0.718		0	---	---	31
TOTAL	---	---	---	---	12.131	35.45	42.93	24.004	22.338	10.329	---	---	TOTAL
MEAN	---	---	---	---	0.391	1.18	1.39	0.903	0.744	0.333	---	---	MEAN
MAX	---	---	---	---	1.03	1.23	1.64	1.13	0.787	0.501	---	---	MAX
MIN	---	---	---	---	0	1.06	1.22	0.685	0.681	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 1.64 ON JUL 18
MINIMUM DAILY, 0 ON MAY 1

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 31 25 N
LONG 113 55 32 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 710
FEB	---	AUG	2 620
MAR	---	SEP	1 930
APR	---	OCT	892
MAY	1 059	NOV	---
JUN	3 089	DEC	---

ST MARY CANAL AT ST MARY CROSSING - STATION NO 05AE023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0.077	8.10	9.29	18.2	18.7	18.5	0	---	---	1
2	---	---	0	1.09	8.02	9.23	18.2	18.7	15.3	0	---	---	2
3	---	---	0	4.28	7.95	9.21	18.2	18.7	9.91	0	---	---	3
4	---	---	0	6.49	8.18	9.23	18.2	18.6	3.79	0	---	---	4
5	---	---	0	6.76	8.17	8.15	18.1	18.6	0.482	0	---	---	5
6	---	---	0	7.25	8.08	7.97	18.1	18.6	0.092	0	---	---	6
7	---	---	0	7.27	8.07	7.82	18.0	18.8	0	0	---	---	7
8	---	---	0	7.22	8.08	7.74	18.0	18.8	0	0	---	---	8
9	---	---	0	7.23	8.04	7.69	18.0	18.7	0	0	---	---	9
10	---	---	0	7.27	7.99	7.61	18.0	18.7	0	0	---	---	10
11	---	---	0	7.30	7.99	7.58	18.0	18.8	0	0	---	---	11
12	---	---	0	7.32	8.02	7.57	18.1	13.5	0	0	---	---	12
13	---	---	0	7.25	7.96	7.57	18.0	14.0	0	0	---	---	13
14	---	---	0	7.26	8.03	7.59	18.0	18.9	0	0	---	---	14
15	---	---	0	7.25	8.03	7.58	18.0	18.2	0	0	---	---	15
16	---	---	0	7.24	8.00	9.22	18.0	18.4	0	0	---	---	16
17	---	---	0	7.22	8.02	13.6	18.0	18.7	0	0	---	---	17
18	---	---	0	7.43	8.02	15.9	18.0	18.7	0	0	---	---	18
19	---	---	0	7.92	7.98	17.0	17.9	18.6	0	0	---	---	19
20	---	---	0	7.92	7.96	18.0	18.0	18.6	0	0	---	---	20
21	---	---	0	7.52	8.13	18.5	18.0	18.6	0	0	---	---	21
22	---	---	0	7.55	8.24	18.4	17.5	18.5	0	0	---	---	22
23	---	---	0	8.05	8.12	18.3	18.8	18.5	0	0	---	---	23
24	---	---	0	8.18	8.19	18.1	18.8	18.5	0	0	---	---	24
25	---	---	0	8.24	8.14	18.1	18.9	18.5	0	0	---	---	25
26	---	---	0	8.29	8.11	18.1	19.8	18.5	0	0	---	---	26
27	---	---	0	8.21	8.18	18.1	18.8	18.5	0	0	---	---	27
28	---	---	0	8.20	8.29	18.1	18.8	18.4	0	0	---	---	28
29	---		0	8.19	8.24	18.2	18.8	18.5	0	0	---	---	29
30	---		0	8.14	8.29	18.2	18.8	18.5	0	0	---	---	30
31	---		0		8.13		18.7	18.6		0		---	31
TOTAL	---	---	0	210.287	250.87	376.88	547.8	557.2	63.031	0	---	---	TOTAL
MEAN	---	---	0	7.01	8.09	12.5	17.7	18.4	1.53	0	---	---	MEAN
MAX	---	---	0	8.24	8.29	18.5	18.2	18.7	18.5	0	---	---	MAX
MIN	---	---	0	0.077	7.95	7.58	18.7	13.5	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.81
MAXIMUM DAILY, 18.5 ON JUN 30
MINIMUM DAILY, 0 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 56 00 N
LONG 113 32 28 W

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	47 300
FEB	---	AUG	43 800
MAR	0	SEP	3 940
APR	18 200	OCT	0
MAY	21 700	NOV	---
JUN	32 400	DEC	---

TOTAL DISCHARGE, 167 000 dam³

ST MARY RESERVOIR NEAR SPRING COULEE - STATION NO 05AE025

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1100.789	1100.780	1101.580	1101.580	1101.826	1102.560	1103.071	1101.421	1097.278	1096.660	1096.547	1096.602	1
2	1100.699	1100.786	1101.582	1101.548	1101.835	1102.557	1103.083	1101.281	1097.099	1096.907	1096.539	1096.598	2
3	1100.691	1100.792	1101.572	1101.548	1101.835	1102.557	1103.083	1101.281	1097.099	1096.907	1096.539	1096.598	3
4	1100.678	1100.800	1101.580	1101.540	1102.715	1103.041	1101.122	1096.875	1096.972	1096.530	1096.598	4	
5	1100.668	1100.805	1101.556	1101.597	1101.828	1102.839	1102.953	1100.768	1096.931	1097.094	1096.508	1096.587	5
6	1100.659	1100.805	1101.561	1101.606	1101.851	1102.847	1102.931	1100.606	1096.415	1097.155	1096.506	1096.585	6
7	1100.653	1100.807	1101.588	1101.616	1101.863	1102.815	1102.909	1100.481	1096.301	1097.180	1096.496	1096.578	7
8	1100.657	1100.805	1101.577	1101.626	1101.868	1102.787	1102.885	1100.323	1096.164	1097.255	1096.475	1096.574	8
9	1100.659	1100.803	1101.586	1101.648	1101.898	1102.733	1102.824	1100.174	1096.061	1097.370	1096.443	1096.577	9
10	1100.657	1100.795	1101.594	1101.664	1101.907	1102.763	1102.759	1100.050	1095.991	1097.507	1096.405	1096.576	10
11	1100.661	1100.801	1101.588	1101.630	1101.910	1102.809	1102.713	1099.911	1095.940	1097.678	1096.385	1096.574	11
12	1100.661	1100.787	1101.604	1101.648	1101.914	1102.828	1102.666	1099.776	1095.951	1097.862	1096.389	1096.574	12
13	1100.663	1100.789	1101.604	1101.664	1101.912	1102.872	1102.614	1099.655	1096.006	1098.053	1096.376	1096.574	13
14	1100.659	1100.802	1101.601	1101.682	1101.883	1102.934	1102.564	1099.536	1096.073	1098.249	1096.382	1096.575	14
15	1100.658	1100.808	1101.596	1101.686	1101.869	1102.991	1102.514	1099.611	1096.143	1098.417	1096.414	1096.583	15
16	1100.662	1100.811	1101.603	1101.717	1101.873	1102.963	1102.440	1099.296	1096.207	1098.516	1096.416	1096.571	16
17	1100.661	1100.805	1101.606	1101.726	1101.894	1103.125	1102.379	1099.174	1096.280	1098.566	1096.422	1096.577	17
18	1100.654	1100.801	1101.599	1101.743	1101.895	1103.155	1102.301	1099.035	1096.331	1098.590	1096.451	1096.578	18
19	1100.648	1100.795	1101.587	1101.732	1101.914	1103.168	1102.236	1098.873	1096.408	1098.610	1096.463	1096.580	19
20	1100.662	1100.795	1101.582	1101.711	1101.922	1103.167	1102.176	1098.683	1096.485	1098.624	1096.474	1096.580	20
21	1100.694	1100.795	1101.581	1101.690	1101.933	1103.175	1102.112	1098.537	1096.564	1098.629	1096.500	1096.575	21
22	1100.704	1100.805	1101.587	1101.670	1101.962	1103.198	1102.048	1098.463	1096.645	1098.621	1096.501	1096.586	22
23	1100.711	1100.806	1101.589	1101.646	1101.978	1103.220	1101.980	1098.411	1096.691	1098.595	1096.506	1096.587	23
24	1100.715	1100.856	1101.548	1101.641	1101.998	1103.221	1101.906	1098.336	1096.655	1098.590	1096.520	1096.603	24
25	1100.723	1101.249	1101.528	1101.678	1102.016	1103.206	1101.841	1098.249	1096.615	1098.587	1096.527	1096.600	25
26	1100.727	1101.505	1101.521	1101.728	1102.022	1103.161	1101.779	1098.190	1096.647	1098.576	1096.641	1096.609	26
27	1100.735	1101.572	1101.533	1101.788	1102.027	1103.144	1101.715	1098.126	1096.708	1098.576	1096.623	1096.612	27
28	1100.746	1101.585	1101.550	1101.835	1102.059	1103.125	1101.654	1098.080	1096.757	1098.563	1096.612	1096.611	28
29	1100.754		1101.526	1101.846	1102.122	1103.113	1101.613	1097.911	1096.801	1098.563	1096.611	1096.614	29
30	1100.765		1101.534	1101.839	1102.252	1103.082	1101.582	1097.669	1096.832	1098.551	1096.611	1096.617	30
31	1100.770		1101.537		1103.406		1101.517	1097.471		1098.549		1096.617	31
MEAN	1100.691	1100.899	1101.571	1101.677	1101.947	1102.973	1102.378	1098.355	1096.472	1096.030	1096.505	1096.599	MEAN
MAX	1100.770	1101.585	1101.606	1101.846	1102.406	1103.221	1103.083	1101.421	1097.278	1098.629	1096.641	1096.617	MAX
MIN	1100.653	1100.780	1101.521	1101.540	1101.822	1102.560	1101.517	1097.471	1095.940	1096.864	1096.376	1096.563	MIN

WATER LEVELS IN METRES

MEAN, 1100.258
MAXIMUM DAILY, 1103.221 ON JUN 24
MINIMUM DAILY, 1095.940 ON SEP 11
MAXIMUM INSTANTANEOUS,
1103.249 AT 17:00 MST ON JUN 23

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 21 45 N
LONG 113 06 53 W

REGULATED

DRAINAGE AREA,
2 290 km²

WATER LEVELS ARE REFERRED TO PRAIRIE FARM REHABILITATION ADMINISTRATION DATUM
APPLY 0.024 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

ST. MARY RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 05AE027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.480	4.53	05.0	05.3	21.7	138	36.5	14.3	7.28	02.1	02.8	00.5 B	1
2	3.400	4.39	05.6	05.6	16.8	126	36.4	13.7	8.92	02.1	02.0	0.010	2
3	3.400	4.39	06.1	05.2	16.7	127	34.7	13.1	02.3	01.9	01.5	0.340	3
4	3.400	4.39	04.6	04.6	19.4	130	35.5	12.6	04.0	01.6	00.9	0.780	4
5	3.400	3.91	04.5	04.0	22.6	108	34.7	12.4	05.0	01.5	00.8	0.210	5
6	3.280	3.85	05.4	05.0	23.0	80.6	33.2	12.0	03.3	01.8	00.1	7.650	6
7	3.260	3.820	06.6	04.8	24.1	77.6	31.3	02.1	01.8	12.0	0.34	7.080	7
8	3.110	3.820	07.8	06.2	23.4	69.4	30.0	01.6	00.4	13.5	0.60	6.510	8
9	3.110	3.820	07.3	12.8	22.4	62.1	29.2	02.2	01.8	14.2	7.95	5.050	9
10	3.110	3.820	06.6	14.0	21.7	57.8	28.6	02.2	01.8	15.6	7.308	5.660	10
11	3.110	3.820	06.6	14.9	21.0	54.6	28.4	02.0	01.8	06.1	7.008	5.100	11
12	3.110	3.820	05.9	15.5	20.5	50.1	28.5	05.5	01.8	16.2	7.008	4.610	12
13	3.110	3.820	05.5	15.8	20.1	54.4	28.2	04.9	02.0	16.2	7.008	4.250	13
14	3.110	3.820	04.9	16.1	21.2	53.5	28.7	12.8	02.1	15.9	6.808	3.660	14
15	3.280	3.820	04.2	16.2	22.2	05.6	28.7	01.9	02.0	15.7	6.808	3.110	15
16	3.400	3.820	04.0	16.2	23.2	53.6	27.7	01.2	01.9	15.2	7.008	2.830	16
17	3.540	3.820	03.5	15.9	23.6	48.1	27.3	00.6	01.5	14.6	7.008	2.550	17
18	3.680	3.680	03.1	14.8	22.6	43.0	26.5	00.2	01.1	14.2	7.008	2.410	18
19	4.110	3.680	02.7	14.0	22.3	39.6	25.6	0.46	02.4	13.5	7.208	2.830	19
20	4.530	3.680	02.6	12.5	24.5	37.1	25.9	0.20	02.4	13.0	7.608	3.400	20
21	4.530	3.680	02.3	02.1	22.6	34.8	26.2	0.63	02.2	13.1	7.838	3.960	21
22	4.530	3.960	02.0	02.5	45.0	31.1	27.3	0.03	02.0	13.5	8.218	6.350	22
23	4.670	7.080	01.9	03.5	63.1	27.5	28.9	0.83	01.9	13.5	8.508	3.680	23
24	4.670	25.5 B	01.2	36.2	61.8	25.1	28.7	0.93	01.2	13.5	8.348	3.400	24
25	4.810	31.1 B	01.4	32.0	60.7	24.0	28.7	7.95	00.8	02.1	10.2 B	3.110	25
26	4.810	19.3	00.9	31.1	63.3	23.8	28.5	7.78	00.6	02.0	10.6 B	2.830	26
27	4.810	14.1	00.8	29.6	60.5	23.2	28.0	7.39	00.6	02.3	10.5 B	2.550	27
28	5.100	14.3	01.3	28.0	70.7	23.5	27.6	6.96	00.6	02.1	10.5 B	2.410	28
29	4.810		01.8	26.3	88.8	24.1	26.5	6.60	00.2	02.8	10.2 B	2.270	29
30	4.670		02.4	25.1	121	25.7	25.8	6.51	00.1	03.0	10.2 B	2.130	30
31	4.530		03.8		133		25.0	6.96		02.2		1.980	31
TOTAL	119.83	197.49	438.1	540.6	1 211.2	1 738.0	884.8	339.91	247.30	422.0	288.47	147.12	TOTAL
MEAN	3.87	7.05	14.1	18.0	39.1	91.0	28.5	10.8	11.6	13.6	8.93	4.75	MEAN
MAX	5.10	31.1	17.8	32.0	133	138	36.7	15.5	19.0	16.2	12.8	10.5	MAX
MIN	3.11	3.66	10.8	12.1	16.7	22.5	15.0	6.51	7.28	11.5	6.90	1.98	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 17.6
MAXIMUM DAILY, 138 ON JUN 1
MINIMUM DAILY, 1.980 ON DEC 31
MAXIMUM INSTANTANEOUS,
130 AT 07 00 MST ON JUN 1

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 12 N
LONG 113 19 00 W
DRAINAGE AREA, 1 210 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	10 400	JUL	52 400
FEB	17 100	AUG	28 500
MAR	37 900	SEP	20 000
APR	47 200	OCT	36 500
MAY	105 000	NOV	22 200
JUN	150 000	DEC	12 700

TOTAL DISCHARGE, 551 000 dam³

ST. MARY RIVER NEAR LETHBRIDGE - STATION NO. 05AE006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.000	5.300	35.00	10.6	5.14	32.9	3.01	2.65	4.850	2.540	21.0 E	4.150	1
2	7.000	5.100	33.50	10.7	3.17	42.3	2.97	3.36	4.400	3.430	19.7 E	4.300	2
3	6.900	5.000	32.50	10.8	3.11	46.2	3.19	3.65	3.920	4.980	19.0 E	4.250	3
4	6.940	5.070	32.00	10.9	3.05	37.0	2.90	3.760	3.140	5.450	18.0 A	4.100	4
5	6.800	5.000	31.40	11.0	4.81	44.6	3.28	3.660	2.220	6.270	16.0 E	3.850	5
6	6.800	4.900	32.1	11.2	4.02	47.1	3.47	3.050	2.820	6.420	13.5 E	3.700	6
7	6.500	4.700	32.5	11.2	11.3	46.5	3.33	3.480	2.710	9.030	0.000	3.650	7
8	6.300	4.500	33.3	11.4	30.7	43.0	3.10	3.530	2.600	8.690	0.000	3.450	8
9	6.200	4.300	31.9	11.5	30.9	37.0	2.85	3.380	2.190	8.690	0.000	3.550	9
10	6.000	4.200	31.9	11.5	31.0	10.6	2.83	4.250	2.190	8.640	2.000	3.640	10
11	5.800	4.000	33.1	11.5	30.9	4.05	2.70	4.470	1.800	8.580	1.480	3.750	11
12	5.700	3.900	33.3	12.1	31.2	3.74	2.67	4.510	1.800	8.510	1.380	3.950	12
13	5.500	3.800	33.3	11.9	31.6	3.76	2.66	5.130	1.690	8.480	1.430	4.200	13
14	5.300	3.600	33.1	11.9	23.1	3.66	2.61	5.120	1.630	7.540	1.500	4.400	14
15	5.100	3.500	31.8	12.1	33.1	4.29	2.60	4.980	1.580	10.7 A	1.600	4.600	15
16	5.000	3.400	32.2	12.2	32.2	3.90	2.87	5.040	1.550	10.9 A	1.700	4.550	16
17	4.940	3.200	32.3	12.2	30.9	4.06	3.71	4.980	1.510	11.6 E	1.830	4.300	17
18	4.700	3.000	31.6	12.2	31.0	10.6	3.50	4.880	1.700	12.7 E	2.000	4.050	18
19	4.600	2.700	31.3	12.6	30.9	12.6	3.31	4.780	1.660	14.4 E	2.020	3.900	19
20	4.500	2.500	30.5	12.7	30.1	7.71	2.87	4.720	1.600	14.9 E	2.200	4.200	20
21	4.200	2.600	31.6	12.2	16.5	4.65	2.82	4.720	1.950	17.7 E	2.550	4.450	21
22	4.000	2.700	32.0	10.7	19.3	3.69	2.82	4.800	1.660	18.0 E	2.800	4.800	22
23	4.000	2.900	31.4	7.82	42.0	3.61	2.84	4.810	1.610	19.3 E	3.200	4.700	23
24	4.000	3.000	32.1	6.56	47.3	3.65	2.80	4.710	1.650	20.1 E	3.550	4.550	24
25	4.400	5.000	16.9	6.67	47.3	3.72	2.81	4.740	2.170	20.7 E	3.770	5.000	25
26	6.800	10.0 B	12.8	6.78	54.7	3.81	2.84	4.820	2.640	22.0 E	3.800	5.050	26
27	5.500	61.0 B	11.6	6.83	58.4	3.83	2.78	4.910	2.270	21.0 E	3.630	5.100	27
28	5.800	52.0 B	11.9	6.85	56.5	3.84	2.71	4.810	1.870	21.7 E	3.660	5.450	28
29	5.800		11.8	6.80	52.0	3.73	2.63	4.780	1.860	21.5 E	3.950	5.500	29
30	5.700		11.8	6.80	24.8	3.64	2.61	4.670	1.830	21.5 E	4.060	4.700	30
31	5.500		11.1		25.5		2.60	4.850		21.6 E		4.100	31
TOTAL	170.62	250.77	699.5	310.80	827.04	479.63	90.62	142.38	99.29	366.94	170.80	134.07	TOTAL
MEAN	5.51	8.96	21.6	10.4	26.7	16.0	2.92	4.59	3.31	11.8	5.96	4.32	MEAN
MAX	7.00	61.0	35.0	12.7	58.4	47.1	3.71	5.13	4.85	22.0	21.0	5.50	MAX
MIN	4.00	2.50	11.1	6.56	3.11	2.61	2.60	2.65	1.58	2.54	1.38	3.45	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.1
MAXIMUM DAILY, 61.0 B ON FEB 27
MINIMUM DAILY, 1.380 ON NOV 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 34 24 N
LONG 112 50 30 W
DRAINAGE AREA, 3 030 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1911

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	10 600	JUL	7 030
FEB	31 700	AUG	12 300
MAR	67 000	SEP	8 900
APR	28 000	OCT	31 700
MAY	71 600	NOV	15 400
JUN	41 000	DEC	11 600

TOTAL DISCHARGE, 319 000 dam³

STEELE LAKE NEAR JARVIE - STATION NO. 07BC006

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	656.782	656.746	656.716	657.180	656.890	656.880	---	---	1
2	---	---	---	---	---	656.736	---	---	---	---	---	---	2
3	---	---	---	---	656.787	656.741	656.716	657.155	656.890	656.880	656.865	---	3
4	---	---	656.795	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	656.787	656.726	656.716	657.120	656.885	656.875	---	---	5
6	---	---	---	---	---	---	---	657.120	---	---	---	---	6
7	---	---	---	---	656.787	656.716	656.716	---	656.885	656.875	---	---	7
8	---	---	---	---	---	---	---	657.095	---	---	---	---	8
9	---	---	---	---	656.812	656.706	656.716	---	656.885	656.875	---	---	9
10	---	---	---	---	---	656.706	---	657.075	---	---	---	---	10
11	---	---	---	---	656.811	---	656.716	657.055	656.885	656.875	---	---	11
12	---	---	---	---	---	656.701	---	657.045	---	---	---	---	12
13	---	---	---	---	656.806	---	656.746	657.020	656.885	656.875	---	---	13
14	---	---	---	---	---	656.701	---	656.995	---	---	---	---	14
15	---	---	---	---	656.801	---	656.786	656.995	656.885	656.875	---	---	15
16	---	---	---	---	---	656.706	---	---	656.880	---	---	---	16
17	---	---	---	---	656.786	---	656.986	656.980	---	656.875	---	---	17
18	---	---	---	---	---	656.711	657.153	---	656.880	---	---	---	18
19	---	---	---	---	656.791	---	657.271	656.985	---	656.875	---	---	19
20	---	---	---	---	---	656.721	657.321	---	656.880	---	---	---	20
21	---	---	---	---	656.791	---	657.346	656.975	---	656.875	---	---	21
22	---	---	---	---	---	656.721	657.346	---	656.865	---	---	---	22
23	---	---	---	---	656.791	---	---	656.945	---	656.875	---	---	23
24	---	---	---	---	---	656.726	657.326	---	656.880	---	---	---	24
25	---	---	---	---	656.791	---	657.311	656.935	---	656.875	---	---	25
26	---	---	---	---	---	656.721	---	656.920	656.880	---	---	---	26
27	---	---	---	---	656.771	---	657.281	---	---	656.875	---	---	27
28	---	---	---	---	---	656.721	---	656.905	656.880	---	---	---	28
29	---		---	---	656.766	---	657.255	---	---	656.875	---	---	29
30	---		---	---	656.761	656.716	---	656.900	656.880	---	---	---	30
31	---		656.731		---		657.195	656.890		656.875		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 38 50 N
LONG 113 47 45 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA, 255 km²

STEEN RIVER NEAR STEEN RIVER - STATION NO. 07OB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.100 B	0.072 B	59.3 B	11.8	22.1	11.0	3.00	1.76	---	---	1
2	---	---	0.097 B	0.072 B	62.0 B	11.2	18.3	10.1	2.82	1.77	---	---	2
3	---	---	0.094 B	0.072 B	63.0 B	11.2	15.8	9.08	2.71	1.83	---	---	3
4	---	---	0.092 B	0.072 B	64.0 B	10.9	14.4	8.23	2.65	1.87	---	---	4
5	---	---	0.088 B	0.072 B	61.7 B	10.2	13.6	7.56	2.57	2.00	---	---	5
6	---	---	0.088 B	0.088 B	58.1	8.33	12.1	5.85	2.41	2.01	---	---	6
7	---	---	0.083 B	0.091 B	56.7	8.23	10.5	6.15	2.26	2.01	---	---	7
8	---	---	0.081 B	0.090 B	53.6	7.44	9.32	5.51	2.13	2.02	---	---	8
9	---	---	0.078 B	0.092 B	49.4	7.18	8.94	5.08	1.96	2.11	---	---	9
10	---	---	0.076 B	0.094 B	50.4	7.40	8.50	4.90	1.89	2.13	---	---	10
11	---	---	0.073 B	0.094 B	51.3	7.10	8.77	4.61	1.76	2.12	---	---	11
12	---	---	0.070 B	0.097 B	51.5	7.16	12.1	4.34	1.69	2.14	---	---	12
13	---	---	0.067 B	0.098 B	51.2	6.83	12.4	3.95	1.66	2.20	---	---	13
14	---	---	0.065 B	0.099 B	48.8	6.84	12.0	3.75	1.63	2.22	---	---	14
15	---	---	0.062 B	0.103 B	47.9	5.30	11.1	3.64	1.60	2.22	---	---	15
16	---	---	0.058 B	0.107 B	45.6	4.02	10.2	3.48	1.54	2.21	---	---	16
17	---	---	0.057 B	0.117 B	43.6	3.88	9.16	3.27	1.48	2.21	---	---	17
18	---	0.120 B	0.057 B	0.120 B	40.2	3.54	8.23	3.36	1.46	2.21	---	---	18
19	---	0.120 B	0.058 B	0.121 B	37.2	3.60	7.41	3.39	1.42	2.22	---	---	19
20	---	0.100 B	0.058 B	0.123 B	33.7	7.37	8.61	3.48	1.39	2.21	---	---	20
21	---	0.121 B	0.060 B	0.180 B	30.3	10.3	8.25	3.68	1.38	2.31	---	---	21
22	---	0.116 B	0.060 B	0.243 B	28.6	22.1	8.43	3.60	1.36	2.33	---	---	22
23	---	0.116 B	0.057 B	0.301 B	26.3	40.6	11.7	3.43	1.34	2.30	---	---	23
24	---	0.112 B	0.060 B	0.336 B	26.3	43.7	13.4	3.51	1.33	2.28	---	---	24
25	---	0.116 B	0.058 B	0.700 B	22.3	44.7	14.7	3.72	1.39	2.26	---	---	25
26	---	0.108 B	0.061 B	12.7 B	20.6	41.2	14.3	3.88	1.45	2.27	---	---	26
27	---	0.105 B	0.064 B	24.8 B	19.1	38.9	13.6	4.16	1.55	2.20 B	---	---	27
28	---	0.102 B	0.065 B	34.2 B	17.1	33.4	12.4	3.61	1.67	2.24 B	---	---	28
29	---		0.073 B	42.3 B	16.4	29.8	11.9	3.54	1.67	2.69 B	---	---	29
30	---		0.073 B	60.4 B	13.6	28.8	11.6	3.28	1.71	3.07 B	---	---	30
31	---		0.074 B		12.7		11.6	3.12		3.07 B		---	31
TOTAL	---	---	2.300	167.929	1 261.8	486.74	362.22	151.54	54.90	68.54	---	---	TOTAL
MEAN	---	---	0.074	5.60	40.7	16.2	11.7	4.89	1.83	2.21	---	---	MEAN
MAX	---	---	0.100	60.4	64.0	44.7	22.1	11.0	3.00	3.07	---	---	MAX
MIN	---	---	0.057	0.072	12.7	3.48	8.25	3.12	1.33	1.77	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.4
MAXIMUM DAILY, 64.0 B ON MAY 4
MINIMUM DAILY, 0.057 B ON MAR 17
MAXIMUM INSTANTANEOUS,
67.3 B AT 11:00 MST ON MAY 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 24 00 N
LONG 117 12 00 W
DRAINAGE AREA, 2 610 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	31 300
FEB	---	AUG	13 100
MAR	199	SEP	4 740
APR	14 500	OCT	5 920
MAY	109 000	NOV	---
JUN	42 100	DEC	---

TOTAL DISCHARGE, 221 000 dam³

STEEPBANK RIVER NEAR FORT MCMURRAY - STATION NO 07DA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.490B	0.280B	0.209B	1.85B	7.80E	9.68	9.17	15.5	2.81	1.86	2.05 B	0.880B	1
2	0.480B	0.278B	0.208B	2.00B	8.50E	9.16	9.06	14.2	2.79	1.86	2.00 B	0.840B	2
3	0.475B	0.270B	0.208B	2.10B	9.20E	8.88	8.61	13.7	2.80	1.81	1.92 B	0.825B	3
4	0.470B	0.267B	0.205B	2.20B	10.1 E	8.13	9.29	11.7	2.79	1.84 B	0.810B	4
5	0.465B	0.262B	0.204B	2.30B	11.2 E	7.74	11.6	11.3	2.90	1.79	1.78 B	0.795B	5
6	0.460B	0.258B	0.202B	2.40B	12.5 E	7.37	13.9	10.4	2.83	2.05	1.70 B	0.775B	6
7	0.460B	0.255B	0.205B	2.58B	14.0 E	7.06	15.5	9.63	2.75	2.72	1.64 B	0.780B	7
8	0.458B	0.252B	0.220B	2.70B	15.5 E	6.89	18.1	8.82	2.76	3.31	1.58 B	0.750B	8
9	0.445B	0.250B	0.260B	2.90B	18.4 A	6.40	15.8	8.44	2.76	3.50	1.52 B	0.735B	9
10	0.440B	0.248B	0.300B	3.05B	19.6	6.12	14.8	7.95	2.56	3.55	1.48 B	0.720B	10
11	0.430B	0.243B	0.320B	2.90B	21.5	6.82	13.2	7.45	2.44	3.53	1.44 B	0.710B	11
12	0.425B	0.240B	0.370B	2.64B	22.9	6.47	12.5	6.91	2.30	3.59	1.38 B	0.700B	12
13	0.420B	0.238B	0.395B	2.70B	22.9	6.23	11.7	6.47	2.19	3.50	1.36 B	0.690B	13
14	0.410B	0.234B	0.410B	2.80B	21.3	6.04	11.2	6.80	2.08	3.51	1.32 B	0.675B	14
15	0.405B	0.232B	0.450B	2.85B	20.7	6.85	10.8	6.59	2.00	3.46	1.28 B	0.660B	15
16	0.400B	0.229B	0.510B	3.10E	19.8	6.63	10.8	6.51	1.93	3.40	1.24 B	0.650B	16
17	0.395B	0.227B	0.580B	3.25E	18.5	6.47	10.6	6.35	1.93	3.36	1.20 B	0.640B	17
18	0.390B	0.225B	0.600B	3.40E	17.6	6.30	13.7	6.07	1.92	3.28	1.18 B	0.630B	18
19	0.382B	0.223B	0.650B	3.55E	16.4	6.62	16.2	6.07	1.92	3.20	1.13 B	0.620B	19
20	0.376B	0.221B	0.710B	3.75E	15.6	6.77	17.3	6.03	1.89	3.14	1.11 B	0.610B	20
21	0.368B	0.219B	0.780B	4.00E	15.2	10.1	17.0	5.06	1.84	3.11	1.08 B	0.600B	21
22	0.360B	0.217B	0.820B	4.20E	14.7	13.1	17.0	4.88	1.80	3.08	1.05 B	0.595B	22
23	0.355B	0.216B	0.900B	4.45E	16.3	14.6	15.8	4.80	1.76	3.02	1.02 B	0.580B	23
24	0.348B	0.215B	0.980B	4.75E	17.0	15.0	15.2	4.31	1.72	2.96	1.00 B	0.575B	24
25	0.335B	0.214B	1.05 B	5.00E	17.1	14.2	14.7	4.04	1.71	2.89	0.980B	0.565B	25
26	0.325B	0.212B	1.10 B	5.40E	16.3	13.0	13.5	3.76	1.68	2.89	0.960B	0.555B	26
27	0.316B	0.211B	1.20 B	5.75E	13.4	12.1	12.3	3.54	1.69	2.89	0.935B	0.550B	27
28	0.306B	0.210B	1.30 B	6.20E	12.4	11.3	11.2	3.39	1.70	2.85B	0.915B	0.545B	28
29	0.300B		1.45 B	6.70E	11.5	10.3	11.7	3.26	1.77	1.86B	0.895B	0.535B	29
30	0.292B		1.55 B	7.25E	10.8	9.51	14.0	3.16	1.87	2.34B	0.875B	0.530B	30
31	0.286B		1.70 B		10.2		15.0	2.97		2.20B		0.525B	31
TOTAL	12.270	5.644	20.084	108.82	476.00	251.35	410.13	211.95	65.77	86.37	39.870	20.610	TOTAL
MEAN	0.395	0.237	0.647	3.63	15.4	8.38	13.2	6.84	2.19	2.85	1.33	0.665	MEAN
MAX	0.490	0.280	1.70	7.25	22.9	15.0	17.3	15.5	2.83	3.59	2.05	0.840	MAX
MIN	0.286	0.210	0.202	1.85	7.80	4.30	8.61	2.97	1.68	1.79	0.875	0.525	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 4.70
MAXIMUM DAILY 22.9 ON MAY 12
MINIMUM DAILY 0.202B ON MAR 5
MAXIMUM INSTANTANEOUS
23.4 AT 23:17 MST ON MAY 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 00 14 N
LONG 111 24 53 W
DRAINAGE AREA 1 320 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 080	JUL	35 400
FEB	574	AUG	18 300
MAR	1 730	SEP	5 580
APR	9 480	OCT	7 640
MAY	41 300	NOV	3 440
JUN	21 700	DEC	1 780

TOTAL DISCHARGE, 148 000 dam³

STIMSON CREEK NEAR PEKISKO - STATION NO 05BL007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.730B	0.453	0.618	0.777	0.429	0.129	0.125	0.425	0.294E	---	1
2	---	---	0.936B	0.418	0.590	0.704	0.312	0.116	0.143	0.562	0.400E	---	2
3	---	---	0.758B	0.451	0.634	0.638	0.203	0.097	0.126	0.557	0.582E	---	3
4	---	---	0.622B	0.466	0.734	0.630	0.197	0.083	0.102	0.539	0.446A	---	4
5	---	---	0.530B	0.493	1.80	0.728	0.192	0.100	0.113	0.486	---	---	5
6	---	---	0.373B	0.467	2.15	0.942	0.149	0.127	0.116	0.418	---	---	6
7	---	---	0.236B	0.438	2.03	0.966	0.219	0.146	0.135	0.359	---	---	7
8	---	---	0.219B	0.435	1.97	1.17	0.324	0.133	0.127	0.353	---	---	8
9	---	---	0.181B	0.424	1.62	2.62	0.295	0.110	0.127	0.460	---	---	9
10	---	---	0.190B	0.474	1.46	1.54	0.255	0.097	0.130	0.511	---	---	10
11	---	---	0.426B	0.546	1.86	1.05	0.208	0.093	0.183	0.560	---	---	11
12	---	---	0.649B	0.526B	2.00	0.889	0.155	0.109	0.197	0.607	---	---	12
13	---	---	0.799B	0.442B	1.86	0.793	0.130	0.112	0.228	0.450	---	---	13
14	---	---	0.551B	0.435B	1.49	0.686	0.111	0.106	0.238	0.378	---	---	14
15	---	---	0.473B	0.488	1.47	0.735	0.098	0.099	0.215	0.344	---	---	15
16	---	---	0.514B	0.548	1.73	0.733	0.135	0.084	0.198	0.325	---	---	16
17	---	---	0.423B	0.870	1.80	0.629	0.430	0.078	0.178	0.302	---	---	17
18	---	---	0.456B	0.845	1.46	0.596	0.728	0.081	0.178	0.285	---	---	18
19	---	---	0.334B	0.696	1.37	0.537	0.381	0.081	0.237	0.275	---	---	19
20	---	---	0.395B	0.650	1.30	0.471	0.265	0.043	0.321	0.267	---	---	20
21	---	---	0.563B	0.667	1.36	0.386	0.197	0.042	0.330E	0.250	---	---	21
22	---	---	0.836	0.750	2.27	0.376	0.156	0.041	0.300E	0.243	---	---	22
23	---	---	0.880	0.805	2.12	0.293	0.204	0.034	0.270E	0.248	---	---	23
24	---	---	0.599	0.840	1.85	0.237	0.220	0.025	0.229A	0.239	---	---	24
25	---	---	0.495	0.773	1.42	0.248	0.183	0.023	0.300E	0.236	---	---	25
26	---	3.65 B	0.418	0.749	1.30	0.241	0.186	0.020	1.25 A	0.232	---	---	26
27	---	1.38 B	0.391	0.756	1.18	0.263	0.231	0.023	1.00 E	0.232	---	---	27
28	---	0.809B	0.360	0.796	1.12	0.243	0.283	0.021	0.800E	0.228	---	---	28
29	---		0.571	0.870	1.08	0.417	0.244	0.021	0.600E	0.223	---	---	29
30	---		0.601	0.885	0.951	0.535	0.220	0.057	0.420A	0.247	---	---	30
31	---		0.514		0.863		0.189	0.118		0.362A		---	31
TOTAL	---	---	15.225	17.972	44.341	21.085	7.494	2.407	8.816	11.096	---	---	TOTAL
MEAN	---	---	0.523	0.599	1.43	0.703	0.242	0.078	0.287	0.358	---	---	MEAN
MAX	---	---	0.936	0.870	2.27	2.62	0.736	0.146	1.25	0.592	---	---	MAX
MIN	---	---	0.181	0.418	0.590	0.237	0.098	0.020	0.102	0.223	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.529
MAXIMUM DAILY 2.62 ON JUN 9
MINIMUM DAILY 0.020 ON AUG 26
MAXIMUM INSTANTANEOUS
3.89 AT 06:15 MST ON JUN 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 60 35 50 N
LONG 114 05 55 W
DRAINAGE AREA 283 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1956

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	647
FEB	---	AUG	206
MAR	1 400	SEP	770
APR	1 550	OCT	959
MAY	3 630	NOV	---
JUN	1 830	DEC	---

TOTAL DISCHARGE, 11 [illegible] dam³

STIRLING LAKE OUTFLOW NEAR STIRLING - STATION NO 05AF039

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2.05	0.272	0.040	0.747	3.80	2.19	1.02	0.388	0.2178	---	1
2	---	---	1.76	0.259	0.159	0.863	3.42	1.87	0.887	0.437	0.2188	---	2
3	---	---	1.65	0.257	0.225	1.40	3.12	1.88	1.15	0.396	0.2188	---	3
4	---	---	1.39	0.245	0.289	1.54	3.04	1.72	1.30	0.435	---	---	4
5	---	---	0.876	0.283	0.535	1.56	2.86	1.37	1.35	0.384	---	---	5
6	---	---	0.438	0.287	0.911	1.37	2.89	1.22	1.30	0.388	---	---	6
7	---	---	0.705	0.263	0.880	1.24	3.13	0.913	1.11	0.382	---	---	7
8	---	---	0.3346	0.277	0.310	1.20	2.89	0.728	1.05	0.495	---	---	8
9	---	---	0.304E	0.149	0.282	1.21	2.37	0.836	0.928	0.713	---	---	9
10	---	---	0.273E	0.122	0.258	0.911	2.41	1.31	0.801	0.911	---	---	10
11	---	---	0.243E	0.135	0.232	0.906	2.36	1.72	0.689	0.815	---	---	11
12	---	---	0.212E	0.229	0.204	1.30	1.95	1.72	0.587	0.837	---	---	12
13	---	---	0.182A	0.171	0.174	1.39	1.68	1.78	0.558	0.704	---	---	13
14	---	---	0.240	0.220	0.143	1.54	1.98	1.60	0.560	0.841	---	---	14
15	---	---	0.170	0.128	0.157	1.71	1.71	1.14	0.529	0.840	---	---	15
16	---	---	0.181	0.115	0.231	1.86	1.81	1.02	0.498	0.593	---	---	16
17	---	---	0.174	0.102	0.208	1.46	2.53	0.765	0.480	0.744	---	---	17
18	---	---	0.193	0.103	0.213	1.32	2.38	0.788	0.470	0.609	---	---	18
19	---	---	0.194	0.093	0.277	1.02	2.11	0.597	0.488	0.573	---	---	19
20	---	---	0.210	0.072	0.381	0.979	2.10	0.847	0.457	0.581	---	---	20
21	---	---	0.284	0.075	0.201	1.22	2.36	0.851	0.467	0.450	---	---	21
22	---	---	0.269	0.080	0.287	1.30	1.36	1.10	0.455	0.400	---	---	22
23	---	---	0.201	0.083	0.702	1.45	1.44	1.14	0.456	0.374	---	---	23
24	---	---	0.175	0.092	0.717	0.570	1.37	1.17	0.455	0.261	---	---	24
25	---	---	0.156	0.093	0.640	0.779	1.51	1.52	0.479	0.358	---	---	25
26	---	---	0.140	0.093	0.583	0.844	1.75	1.48	0.748	0.351	---	---	26
27	---	---	0.124	0.086	0.570	1.72	2.26	1.12	0.805	0.292	---	---	27
28	---	2.38A	0.110	0.055	0.615	2.19	2.35	0.805	0.459	0.251	---	---	28
29	---		0.092	0.031	0.548	3.26	2.58	0.880	0.351	0.223	---	---	29
30	---		0.125	0.032	0.845	3.90	2.67	0.842	0.337	0.224	---	---	30
31	---		0.240		0.583		2.72	1.05		0.2178		---	31
TOTAL	---	---	13.878	4.425	11.113	42.879	72.69	38.017	21.076	15.075	---	---	TOTAL
MEAN	---	---	0.441	0.148	0.358	1.43	2.34	1.23	0.703	0.486	---	---	MEAN
MAX	---	---	2.05	0.277	0.717	3.90	3.80	2.19	1.35	0.915	---	---	MAX
MIN	---	---	0.092	0.031	0.040	0.570	1.35	0.597	0.337	0.217	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.894
MAXIMUM DAILY, 3.90 ON JUN 30
MINIMUM DAILY, 0.031 ON APR 29
MAXIMUM INSTANTANEOUS,
4.05 AT 03:55 MST ON JUN 30

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 31 50 N
LONG 112 30 28 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5 280
FEB	---	AUG	3 280
MAR	1 180	SEP	1 820
APR	382	OCT	1 300
MAY	960	NOV	---
JUN	3 700	DEC	---

TOTAL DISCHARGE, 18 900 dam³

STONY CREEK NEAR TAWATINAW - STATION NO 07BE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0438	0.6028	0.194A	0.018E	0.009	0.500	0.009	0.041	0.0458	---	1
2	---	---	0.0438	0.5238	0.173	0.014E	0.033	0.384	0.014	0.042A	0.050E	---	2
3	---	---	0.0438	0.5218	0.155E	0.014E	0.043	0.181	0.022	0.042E	0.050E	---	3
4	---	---	0.0438	0.4378	0.155E	0.014E	0.035	0.269	0.027	0.042E	0.080E	---	4
5	---	---	0.0438	0.4318	0.145E	0.018A	0.080	0.377	0.027	0.042E	0.120E	---	5
6	---	---	0.0438	0.5188	0.140E	0.014	0.108	0.334	0.027	0.050E	0.183E	---	6
7	---	---	0.0438	0.5528	0.135E	0.583	0.075	0.298	0.031	0.080E	---	---	7
8	---	---	0.0438	0.4008	0.130E	0.412	0.046	0.307	0.030	0.080E	---	---	8
9	---	---	0.0438	0.3008	0.125A	0.201	0.053	0.278	0.030	0.100E	---	---	9
10	---	---	0.0438	0.2508	0.093	0.155	0.086	0.234	0.029	0.140E	---	---	10
11	---	---	0.0438	0.2008	0.120A	0.127	0.135	0.320	0.038	0.100E	---	---	11
12	---	---	0.0438	0.1508	0.200E	0.176	0.206	0.433	0.024	0.070E	---	---	12
13	---	---	0.0438	0.1008	0.250E	0.084	0.123	1.08	0.021	0.060E	---	---	13
14	---	---	0.0438	0.1258	0.305E	0.074	0.198	0.438	0.020	0.055E	---	---	14
15	---	---	0.0438	0.1518	0.250E	0.066	0.723	0.387	0.026	0.050E	---	---	15
16	---	---	0.0438	0.2208	0.230E	0.051	1.14	0.333	0.026	0.048E	---	---	16
17	---	---	0.0438	0.2688	0.215E	0.041	2.35	0.315	0.026	0.048E	---	---	17
18	---	---	0.0438	0.2938	0.200E	0.027	5.48	0.300	0.022	0.044E	---	---	18
19	---	---	0.0438	0.262	0.180E	0.052	6.70	0.254	0.018	0.043E	---	---	19
20	---	---	0.0438	0.167	0.160E	0.147	5.67	0.201	0.014	0.042E	---	---	20
21	---	---	0.0608	0.129	0.350E	0.152	4.38	0.151	0.012	0.041E	---	---	21
22	---	---	0.0808	0.230A	0.600E	0.113	3.19	0.101	0.008	0.040E	---	---	22
23	---	---	0.0438	0.122	0.400E	0.083	2.38	0.095	0.009	0.040E	---	---	23
24	---	---	0.0438	0.077	0.300E	0.057	1.81	0.037	0.007	0.040E	---	---	24
25	---	---	0.0438	0.057	0.250E	0.055	1.54	0.010	0.005	0.040E	---	---	25
26	---	---	0.2508	0.052	0.200E	0.047	1.34	0.011	0.007	0.040E	---	---	26
27	---	---	0.6008	0.077	0.140E	0.034	1.14	0.009	0.025	0.040E	---	---	27
28	---	---	1.38 B	0.129	0.080E	0.020	0.995	0.007	0.043	0.040E	---	---	28
29	---	---	1.46 B	0.173	0.040E	0.015	0.850	0.005	0.047	0.040E	---	---	29
30	---	---	1.00 B	0.315A	0.030E	0.012	0.704	0.002	0.046	0.040E	---	---	30
31	---		0.7848		0.020E		0.612	0.010		0.040E		---	31
TOTAL	---	---	8.583	7.919	8.955	2.882	42.209	7.575	0.687	1.638	---	---	TOTAL
MEAN	---	---	0.212	0.264	0.193	0.096	1.36	0.244	0.023	0.053	---	---	MEAN
MAX	---	---	1.46	0.618	0.600	0.583	6.70	1.08	0.047	0.140	---	---	MAX
MIN	---	---	0.043	0.052	0.020	0.012	0.009	0.002	0.005	0.040	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.308
MAXIMUM DAILY, 6.70 ON JUL 19
MINIMUM DAILY, 0.005 ON SEP 25
MAXIMUM INSTANTANEOUS,
7.73 AT 02:34 MST ON JUL 19

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 17 35 N
LONG 113 27 45 W
DRAINAGE AREA, 138 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 650
FEB	---	AUG	855
MAR	589	SEP	59.4
APR	693	OCT	142
MAY	515	NOV	---
JUN	369	DEC	---

TOTAL DISCHARGE, 6 930 dam³

STRAWBERRY CREEK NEAR THE MOUTH - STATION NO. 05DF004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	9.50 B	3.00 B	3.54	0.278	0.089	0.188	0.519	1.58	0.3489	---	1
2	---	---	9.40 B	1.27 B	3.56	0.177	0.072	0.142	0.535	0.371	0.4169	---	2
3	---	---	7.60 B	0.6829	2.44	0.141	0.069	0.109	0.504	0.227	0.4089	---	3
4	---	---	8.55 B	0.4550	1.73	0.115	0.064	0.114	0.416	0.135	---	---	4
5	---	---	7.54 B	0.2718	1.26	0.099	0.059	0.200	0.480	0.127	---	---	5
6	---	---	2.11 B	0.4100	1.03	0.087	0.048	0.218	0.411	0.394	---	---	6
7	---	---	1.30 B	0.2948	0.691	0.095	0.043	0.298	0.389	0.135	---	---	7
8	---	---	2.36 B	0.2518	0.583	0.113	0.041	0.393	0.224	0.082	---	---	8
9	---	---	1.72 B	0.1758	0.617	0.097	0.884	0.193	0.217	0.052	---	---	9
10	---	---	1.28 B	0.1658	0.585	0.088	0.239	0.128	0.183	0.028	---	---	10
11	---	---	0.9408	0.1218	0.973	0.074	0.060E	0.139	0.309	0.025	---	---	11
12	---	---	0.9048	0.1608	0.679	0.070	1.01	0.267	0.428	0.032	---	---	12
13	---	---	1.42 B	0.1728	0.495	0.084	1.19	0.343	0.348	0.053	---	---	13
14	---	---	1.84 B	0.2508	2.29	0.096	2.44	0.512	0.299	0.070	---	---	14
15	---	---	2.34 B	0.467	6.46	0.093	1.25	0.879	0.220	0.111	---	---	15
16	---	---	3.45 B	0.595	9.90	0.110	1.11	0.725	0.284	0.146	---	---	16
17	---	---	4.25 B	0.847	9.43	0.112	51.6	0.870	0.182	0.177	---	---	17
18	---	---	4.87 B	1.10	9.56	0.084	195	0.828	0.183	0.210	---	---	18
19	---	---	5.48 B	1.78	7.19	0.129	59.6	0.857	0.114	0.260	---	---	19
20	---	---	8.14 B	2.27	5.06	0.108	25.1	0.796	0.172	0.229	---	---	20
21	---	---	7.14 B	2.63	3.05	0.099	12.0	0.892	0.182	0.255	---	---	21
22	---	---	4.70 B	2.83	2.35	0.094	7.13	0.726	0.188	0.253	---	---	22
23	---	---	3.24 B	2.69	3.91	0.096	4.83	0.682	0.194	0.268	---	---	23
24	---	---	1.76 B	2.53	3.33	0.088	3.10	0.589	0.215	0.272	---	---	24
25	---	---	1.53 B	2.12	2.37	0.090	2.75	0.730	0.288	0.263	---	---	25
26	---	0.0168	1.61 B	1.48	1.62	0.073	1.86	0.713	0.473	0.280	---	---	26
27	---	0.0328	2.86 B	0.878	1.22	0.082	1.11	0.887	0.681	0.373	---	---	27
28	---	3.49 B	3.55 B	0.835	0.861	0.066	0.758	0.883	0.783	0.327	---	---	28
29	---		3.81 B	0.854	0.617	0.069	0.605	0.684	0.611	0.292	---	---	29
30	---		3.86 B	1.07	0.414	0.071	0.334	0.654	1.23	0.443	---	---	30
31	---		2.57 B		0.284		0.253	0.557		0.447		---	31
TOTAL	---	---	122.534	33.523	88.220	3.019	384.374	15.587	11.360	7.897	---	---	TOTAL
MEAN	---	---	3.95	1.12	2.85	0.101	11.9	0.503	0.379	0.255	---	---	MEAN
MAX	---	---	9.50	3.89	9.90	0.278	195	0.870	1.23	1.58	---	---	MAX
MIN	---	---	0.904	0.121	0.284	0.066	0.041	0.109	0.114	0.025	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.54
MAXIMUM DAILY, 195 ON JUL 18
MINIMUM DAILY, 0.025 ON OCT 11
MAXIMUM INSTANTANEOUS,
230 AT 12 21 MST ON JUL 18

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 18 41 N
LONG 114 03 02 W
DRAINAGE AREA, 584 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL 31 500	
FEB	---	AUG 1 350	
MAR 10 800		SEP 982	
APR 2 900		OCT 682	
MAY 7 820		NOV ---	
JUN 261		DEC ---	

TOTAL DISCHARGE, 55 900 dam³

STREETER CREEK (MAIN STEM) NEAR NANTON - STATION NO. 05AB030

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.007E	0.002	0.005	0.032	---	---	---	---	---	---	1
2	---	---	0.005E	0.002	0.006A	0.034	---	---	---	---	---	---	2
3	---	---	0.006E	0.003	0.006E	0.030	0.011A	---	---	---	---	---	3
4	---	---	0.006E	0.003	0.020A	0.031	---	---	---	---	---	---	4
5	---	---	0.005E	0.003	0.023E	0.035	0.011A	---	---	---	---	---	5
6	---	---	0.003E	0.003	0.027E	0.027	0.011A	---	---	---	---	---	6
7	---	---	0.002E	0.003	0.026E	0.027	---	---	---	---	---	---	7
8	---	---	0.005E	0.003	0.025E	0.032	0.011A	---	---	---	---	---	8
9	---	---	0.004E	0.003	0.024E	0.025	0.011A	---	---	---	---	---	9
10	---	---	0.003E	0.003	0.026E	0.023	---	---	---	---	---	---	10
11	---	---	0.003A	0.004	0.028E	0.023	---	---	---	---	---	---	11
12	---	---	0.003	0.004	0.028E	0.022	---	---	---	---	---	---	12
13	---	---	0.002A	0.004	0.028E	0.021	---	---	---	---	---	---	13
14	---	---	0.002	0.004	0.031	0.021	---	---	---	---	---	---	14
15	---	---	0.002	0.004E	0.033	0.021	---	---	---	---	---	---	15
16	---	---	0.002	0.004E	0.031	0.019	0.015A	---	---	---	---	---	16
17	---	---	0.003	0.004E	0.031	0.018	0.012A	---	---	---	---	---	17
18	---	---	0.003	0.004E	0.032	0.018	---	---	---	---	---	---	18
19	---	---	0.002	0.004E	0.032	0.015	---	---	---	---	---	---	19
20	---	---	0.002	0.004E	0.032	0.014	---	0.002A	---	---	---	---	20
21	---	---	0.003	0.004E	0.040	0.013	---	---	---	---	---	---	21
22	---	---	0.002	0.005E	0.037	0.012	---	---	---	---	---	---	22
23	---	---	0.002	0.006E	0.033	0.012	---	---	---	---	---	---	23
24	---	0.001A	0.003	0.005E	0.032	0.012	---	---	---	---	---	---	24
25	---	---	0.002	0.005E	0.031	0.012	---	---	---	---	---	---	25
26	---	---	0.002	0.005E	0.032	0.011	---	---	---	---	---	---	26
27	---	---	0.002	0.005E	0.043	0.012	---	---	---	---	---	---	27
28	---	0.008	0.002	0.005E	0.034	0.014	---	---	---	---	---	---	28
29	---		0.001	0.005A	0.039	0.018	0.005A	---	---	0.003A	---	---	29
30	---		0.001	0.005	0.030	0.011E	---	---	0.003A	---	---	---	30
31	---		0.002		0.033		---	---		---		---	31
TOTAL	---	---	0.091	0.118	0.878	0.616	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.003	0.004	0.028	0.021	---	---	---	---	---	---	MEAN
MAX	---	---	0.007	0.006	0.043	0.035	---	---	---	---	---	---	MAX
MIN	---	---	0.001	0.002	0.005	0.011	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM INSTANTANEOUS,
0.209 AT 18 12 MST ON MAY 29

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 07 24 N
LONG 113 03 20 W
DRAINAGE AREA, 5.96 km²

A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	7.85	SEP	---
APR	10.2	OCT	---
MAY	78.8	NOV	---
JUN	53.2	DEC	---

STURGEON LAKE AT WILLIAMSON PARK - STATION NO. 07GH003

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	676.919	---	677.275	676.973	676.922	676.791	676.770	---	---	1
2	---	---	---	---	---	677.270	676.963	676.922	676.791	676.770	---	---	2
3	---	---	---	---	---	677.265	676.953	676.922	676.791	676.770	---	---	3
4	---	---	---	---	---	677.245	676.942	676.922	676.791	676.770	---	---	4
5	---	---	---	---	---	677.235	676.942	676.912	676.781	676.770	---	---	5
6	---	---	---	---	677.286	677.215	676.932	676.912	676.781	676.770	---	---	6
7	---	---	---	---	677.285	677.195	676.922	676.911	676.781	---	---	---	7
8	---	---	---	676.975	677.285	677.175	676.912	676.901	676.781	---	---	---	8
9	---	---	---	---	677.285	677.165	676.922	676.901	676.780	---	---	---	9
10	---	---	---	---	677.285	677.145	676.922	676.891	676.780	---	---	---	10
11	---	---	---	---	677.285	677.125	676.912	676.881	676.780	---	---	---	11
12	---	---	---	---	677.285	677.115	676.922	676.881	676.770	---	---	---	12
13	---	---	---	---	677.285	677.095	676.942	676.871	676.770	---	---	---	13
14	---	---	---	---	677.285	677.085	676.932	676.881	676.770	---	---	---	14
15	---	---	---	677.039	677.295	---	676.936	676.861	676.780	676.769	---	---	15
16	---	---	---	---	677.295	677.075	676.932	676.851	676.780	676.769	---	---	16
17	---	---	---	---	677.295	677.065	676.932	676.851	676.780	676.769	---	---	17
18	---	---	---	---	677.295	677.053	676.942	676.841	676.780	676.769	---	---	18
19	---	---	---	---	677.295	677.053	676.942	676.841	676.780	676.769	---	---	19
20	---	676.905	676.893	---	677.305	677.043	676.942	676.836	676.780	676.769	---	---	20
21	---	---	---	---	677.305	677.033	676.942	676.841	676.780	676.769	---	---	21
22	---	---	---	---	677.300	677.033	676.952	676.831	676.780	676.769	---	---	22
23	---	---	---	---	677.310	677.023	676.952	676.821	676.780	676.769	---	---	23
24	---	---	---	677.193	677.310	677.023	676.952	676.821	676.783	676.769	---	---	24
25	---	---	---	---	677.315	677.003	676.972	676.821	676.770	676.769	---	---	25
26	---	---	---	---	677.315	676.993	676.972	676.811	676.770	676.769	---	---	26
27	---	---	---	---	677.315	676.983	676.962	676.811	676.770	676.769	---	---	27
28	---	---	---	677.207	677.315	676.983	676.952	676.791	676.770	676.769	---	---	28
29	---		---	---	677.310	676.983	676.952	676.801	676.770	676.784	---	---	29
30	---		---	---	677.305	676.973	676.932	676.801	676.770	---	---	---	30
31	---		---		677.305		676.932	676.801		---		---	31
MEAN	---	---	---	---	---	---	676.942	676.880	676.772	---	---	---	MEAN
MAX	---	---	---	---	---	---	676.973	676.922	676.791	---	---	---	MAX
MIN	---	---	---	---	---	---	676.912	676.791	676.760	---	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MAXIMUM DAILY, 677.315 ON MAY 25

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 05 00 N
LONG 117 33 30 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA
642 km²

STURGEON RIVER AT ST. ALBERT - STATION NO. 05EA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.840 B	21.8	9.60	3.12	0.686	5.73	4.84	6.15	6.58	---	1
2	---	---	0.835 B	22.0	9.20	2.96	0.686	5.84	4.71	6.18	8.48	---	2
3	---	---	0.790 B	22.2	9.26	2.64	0.920	5.88	4.71	6.34	8.47A	---	3
4	---	---	0.794 B	21.7	9.01	2.19	0.798	5.95	4.64	6.55	---	---	4
5	---	---	1.01 B	21.1	8.81	2.21	0.843	6.06	4.65	6.80	---	---	5
6	---	---	1.22 B	20.3	8.52	2.10	0.780	6.05	4.67	6.72	---	---	6
7	---	---	1.43 B	19.5	8.23	1.97	0.750	6.02	4.86	6.84	---	---	7
8	---	---	1.48 B	18.9	8.00	1.93	0.750	5.92	4.88	6.78	---	---	8
9	---	---	1.54 B	18.2	7.84	1.79	0.755	5.78	4.75	6.96	---	---	9
10	---	---	1.68 B	17.6	7.45	1.53	0.760	5.71	4.85	6.97	---	---	10
11	---	---	1.88 B	17.2	7.14	1.52	0.790	5.71	5.85	6.97	---	---	11
12	---	---	2.09 B	16.7	6.88	1.48	0.810	5.86	5.38	6.96	---	---	12
13	---	---	2.28 B	16.1	6.86	1.18	1.18	5.55	5.29	6.88	---	---	13
14	---	---	2.52 B	15.6	6.41	1.08	0.927	5.44	5.25	7.03	---	---	14
15	---	---	2.90 B	15.1	6.42	1.33	0.730	5.38	5.26	7.02	---	---	15
16	---	---	3.07 B	14.5	6.44	1.07	1.82	5.24	5.32	7.03	---	---	16
17	---	---	3.19 B	14.2	6.29	0.911	3.29	5.15	5.38	7.00	---	---	17
18	---	---	3.36 B	13.9	6.18	0.854	2.14	5.08	5.35	7.01	---	---	18
19	---	---	3.79 B	13.3	6.11	1.84	2.08	5.09	5.38	6.97	---	---	19
20	---	---	4.22 B	12.9	6.16	1.28	2.54	4.98	5.39	6.96	---	---	20
21	---	---	4.84 B	12.5	5.92	1.21	2.99	4.82	5.38	6.96	---	---	21
22	---	---	5.50 B	12.1	5.74	1.05	3.46	4.86	5.34	6.95	---	---	22
23	---	---	6.28 B	11.9	5.21	0.896	4.18	4.83	5.23	6.96	---	---	23
24	---	---	7.16 B	11.5	5.01	1.13	4.37	4.75	5.26	6.98	---	---	24
25	---	---	8.47 B	10.9	4.96	1.36	4.58	4.71	5.22	6.81	---	---	25
26	---	---	9.70 B	10.9	4.77	1.03	4.66	4.71	5.66	6.88	---	---	26
27	---	---	11.8 B	10.4	4.45	0.892	4.74	4.69	5.86	6.83	---	---	27
28	---	---	18.1 B	10.2	4.15	0.778	4.86	4.69	5.88	6.54	---	---	28
29	---		20.9	10.2	3.96	0.706	5.12	4.70	5.83	6.57	---	---	29
30	---		21.5	10.0	3.68	0.669	5.42	4.69	5.99	6.56	---	---	30
31	---		21.8		3.28		5.62	4.65		6.55		---	31
TOTAL	---	---	176.989	483.4	201.86	44.807	74.036	164.43	155.73	210.50	---	---	TOTAL
MEAN	---	---	5.71	15.4	6.51	1.49	2.39	5.30	5.22	6.79	---	---	MEAN
MAX	---	---	21.8	22.2	9.60	3.12	5.62	6.06	5.99	7.03	---	---	MAX
MIN	---	---	0.790	10.0	3.28	0.669	0.686	4.65	4.64	6.15	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.09
MAXIMUM DAILY, 22.2 ON APR 3
MINIMUM DAILY, 0.686 ON JUL 1
MAXIMUM INSTANTANEOUS,
22.4 AT 19.16 MST ON APR 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 38 05 N
LONG 113 37 33 W
DRAINAGE AREA, 2 650 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	6 400
FEB	---	AUG	16 200
MAR	15 370	SEP	13 500
APR	40 000	OCT	18 200
MAY	17 400	NOV	---
JUN	3 870	DEC	---

TOTAL DISCHARGE, 129 000 dam³

STURGEON RIVER NEAR FORT SASKATCHEWAN - STATION NO 05EA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2 008	27 48	10 8	4 19	0 836	5 11	4 02	5 31	---	---	1
2	---	---	2 108	24 7	10 5	3 82	0 838	5 21	4 05	5 33	---	---	2
3	---	---	2 108	23 9	10 1	3 52	0 891	5 19	4 03	5 38	---	---	3
4	---	---	2 008	23 4	9 76	3 13	0 872	5 42	4 03	5 53	---	---	4
5	---	---	1 908	22 9	9 47	2 80	0 922	5 48	4 02	5 85	---	---	5
6	---	---	1 608	22 6	9 33	2 41	0 906	5 52	4 00	5 75	---	---	6
7	---	---	1 598	22 1	9 21	2 35	0 918	5 56	3 99	5 78	---	---	7
8	---	---	1 608	21 5	8 98	2 31	0 866	5 46	3 99	5 83	---	---	8
9	---	---	1 608	20 9	8 77	2 15	0 938	5 51	3 98	5 79	---	---	9
10	---	---	1 608	20 3	8 33	1 98	0 899	5 33	4 01	5 90	---	---	10
11	---	---	1 708	19 6	7 90	1 83	1 15	5 23	4 58	5 95	---	---	11
12	---	---	1 908	19 2	7 61	1 63	1 12	5 13	4 61	5 95	---	---	12
13	---	---	1 868	18 8	7 34	1 61	1 35	5 03	4 91	5 96	---	---	13
14	---	---	2 208	18 4	7 56	1 50	1 24	4 97	4 76	5 99	---	---	14
15	---	---	2 708	17 9	7 32	1 34	1 19	4 84	4 61	6 32	---	---	15
16	---	---	3 108	17 4	7 04	1 23	1 49	4 80	4 58	6 38	---	---	16
17	---	---	4 008	17 1	7 08	1 34	2 63	4 76	4 57	6 34	---	---	17
18	---	---	5 008	16 7	7 08	1 20	4 62	4 62	4 56	6 30	---	---	18
19	---	---	11 5 B	16 1	6 97	1 17	7 35	4 51	4 56	6 25	---	---	19
20	---	---	16 0 B	15 5	6 81	1 11	6 35	4 46	4 61	6 21	---	---	20
21	---	---	16 8 B	14 8	6 60	1 54	5 18	4 41	4 69	6 18	---	---	21
22	---	---	15 5 B	14 4	6 46	1 29	4 43	4 37	4 68	6 04	---	---	22
23	---	---	11 9 B	14 0	6 47	1 09	3 79	4 30	4 66	6 05	---	---	23
24	---	---	11 1 B	13 7	6 26	1 21	3 57	4 25	4 83	6 11	---	---	24
25	---	---	6 678	13 3	6 00	1 07	3 71	4 23	4 71	6 22	---	---	25
26	---	---	9 838	12 8	5 85	1 02	3 91	4 21	4 93	6 29	---	---	26
27	---	---	15 9 B	12 5	5 62	1 14	3 98	4 16	5 10	6 33	---	---	27
28	---	---	16 3 B	12 2	5 35	1 02	4 14	4 11	5 38	6 34	---	---	28
29	---		15 2 B	11 4	5 08	0 945	4 41	4 10	5 46	6 32	---	---	29
30	---		17 8 B	11 1	4 82	0 871	4 80	4 06	5 37	6 21A	---	---	30
31	---		21 7 B		4 51		5 01	4 05		6 20E		---	31
TOTAL	---	---	228 85	536 6	230 92	53 916	84 308	148 38	136 25	186 21	---	---	TOTAL
MEAN	---	---	7 38	17 9	7 45	1 80	2 72	4 79	4 54	6 01	---	---	MEAN
MAX	---	---	21 7	27 4	10 8	4 19	7 35	5 56	5 46	6 38	---	---	MAX
MIN	---	---	1 59	11 1	4 51	0 871	0 836	4 05	3 99	5 31	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6 55
MAXIMUM DAILY, 27 48 ON APR 1
MINIMUM DAILY, 0 836 ON JUL 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 47 14 N
LONG 113 13 23 W
DRAINAGE AREA, 3 350 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7 280
FEB	---	AUG	12 800
MAR	19 800	SEP	11 800
APR	46 400	OCT	16 100
MAY	20 000	NOV	---
JUN	4 660	DEC	---

TOTAL DISCHARGE, 139 000 dam³

STURGEON RIVER NEAR MAGNOLIA BRIDGE - STATION NO 05EA010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1 20 B	0 7488	0 589	0 133	0 001	0 218	0 014	0 138	0 084	---	1
2	---	---	1 98 B	0 552	0 521	0 116	0 001	0 227	0 013	0 193	0 081	---	2
3	---	---	2 26 B	0 5118	0 486	0 074	0 001	0 179	0 011	0 153	0 106	---	3
4	---	---	1 68 B	0 5318	0 491	0 109	0 001	0 159	0 006	0 165	0 151	---	4
5	---	---	1 41 B	0 5458	0 430	0 099	0 017	0 209	0 006	0 219	0 108A	---	5
6	---	---	1 32 B	0 4978	0 440	0 064	0 017	0 287	0 006	0 215	---	---	6
7	---	---	0 4868	0 441	0 454	0 045	0 005	0 282	0 006	0 144	---	---	7
8	---	---	0 1858	0 384	0 608	0 034	0 006	0 283	0 004	0 138	---	---	8
9	---	---	0 1418	0 376	0 530	0 448	0 007	0 121	0 001	0 150	---	---	9
10	---	---	0 1188	0 293	0 575	0 113	0 011	0 107	0 001	0 167	---	---	10
11	---	---	0 1278	0 223	0 592	0 011	0 035	0 094	0 003	0 132	---	---	11
12	---	---	0 1058	0 206	0 562	0 063	0 104	0 040	0 010	0 111	---	---	12
13	---	---	0 1018	0 167	0 608	0 024	0 284	0 032	0 005	0 118	---	---	13
14	---	---	0 1158	0 160	0 725	0 022	0 275	0 028	0 006	0 134	---	---	14
15	---	---	0 2628	0 140	1 14	0 025	0 174	0 024	0 006	0 146	---	---	15
16	---	---	0 3688	0 124	1 02	0 036	0 889	0 026	0 008	0 124	---	---	16
17	---	---	0 8448	0 276	0 839	0 040	6 26	0 029	0 002	0 089	---	---	17
18	---	---	0 7018	0 965	0 678	0 022	36 6	0 028	0 001	0 074	---	---	18
19	---	---	0 9078	0 967	0 526	0 037	15 0	0 025	0 001	0 088	---	---	19
20	---	---	1 29 B	0 858	0 451	0 039	7 19	0 023	0 001	0 092	---	---	20
21	---	---	1 58 B	0 700	0 452	0 038	3 59	0 029	0 002	0 072	---	---	21
22	---	---	1 50 B	0 621	0 669	0 024	1 70	0 024	0 008	0 069	---	---	22
23	---	---	1 12 B	0 876	0 897	0 017	0 953	0 023	0 011	0 058	---	---	23
24	---	---	0 5628	0 913	0 538	0 007	0 587	0 027	0 013	0 111	---	---	24
25	---	---	0 4458	1 03	0 469	0 002	0 476	0 031	0 026	0 116	---	---	25
26	---	0 8	0 5688	0 739	0 423	0 001	0 393	0 025	0 055	0 092	---	---	26
27	---	0 8	0 9988	0 955	0 386	0 001	0 363	0 021	0 125	0 084	---	---	27
28	---	0 2718	1 55 B	0 673	0 302	0 001	0 440	0 020	0 175	0 089	---	---	28
29	---		1 50 B	0 709	0 248	0 001	0 405	0 020	0 138	0 087	---	---	29
30	---		1 12 B	0 871	0 214	0 001	0 437	0 017	0 115	0 093	---	---	30
31	---		1 08 B		0 187		0 276	0 013		0 091		---	31
TOTAL	---	---	27 423	16 861	16 771	1 848	76 503	2 682	0 779	3 762	---	---	TOTAL
MEAN	---	---	0 885	0 562	0 541	0 055	2 47	0 087	0 026	0 121	---	---	MEAN
MAX	---	---	2 26	1 03	1 14	0 448	36 6	0 292	0 175	0 219	---	---	MAX
MIN	---	---	0 101	0 124	0 187	0 001	0 001	0 013	0 001	0 058	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 558
MAXIMUM DAILY, 36 6 ON JUL 18
MINIMUM DAILY, 0 001 ON JUN 26
MAXIMUM INSTANTANEOUS,
80 0 AT 05 45 MST ON JUL 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 35 29 N
LONG 114 51 35 W
DRAINAGE AREA, 121 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6 610
FEB	---	AUG	232
MAR	2 370	SEP	67 3
APR	1 460	OCT	326
MAY	1 460	NOV	---
JUN	142	DEC	---

TOTAL DISCHARGE, 12 700 dam³

STURGEON RIVER NEAR VILLENEUVE - STATION NO. 05EA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.4288	0.5808	1.308	18.8	4.35	2.81	1.10	7.08	2.76	3.57	3.40	1.778	1
2	0.4378	0.5848	1.628	16.5	4.22	2.61	1.08	6.24	2.77	3.84	3.47	1.758	2
3	0.4488	0.5778	2.028	13.1	4.08	2.41	1.07	5.45	2.77	3.96	3.14	1.738	3
4	0.4598	0.5718	4.248	10.1	4.00	2.30	1.03	4.85	2.76	4.05	3.12	1.728	4
5	0.4708	0.5658	3.768	8.03	3.92	2.17	1.06	4.57	2.72	4.42	3.15	1.708	5
6	0.4818	0.5588	3.708	6.97	3.88	2.10	1.03	4.41	2.71	4.55	3.05	1.698	6
7	0.5008	0.5508	3.768	6.14	3.77	1.86	1.09	4.26	2.71	4.64	2.768	1.678	7
8	0.5158	0.5428	4.138	5.99	3.68	1.86	1.04	4.18	2.70	4.51	2.888	1.658	8
9	0.5308	0.5388	4.618	6.29	3.80	1.78	1.12	3.94	2.67	4.35	2.808	1.638	9
10	0.5428	0.5308	5.078	6.04	3.54	1.67	1.12	3.78	2.68	4.15	2.508	1.628	10
11	0.5508	0.5258	5.518	5.87	3.50	1.65	1.20	3.69	2.97	3.91	2.458	1.618	11
12	0.5558	0.5208	4.238	5.83	3.50	1.61	1.23	3.57	3.09	3.93	2.388	1.598	12
13	0.5608	0.5108	2.938	5.76	3.52	1.57	1.25	3.45	3.11	3.97	2.328	1.588	13
14	0.5658	0.5058	2.208	5.76	3.52	1.52	1.31	3.36	3.12	3.84	2.288	1.578	14
15	0.5708	0.5028	2.058	5.49	3.64	1.52	1.29	3.31	3.13	3.70	2.228	1.558	15
16	0.5808	0.5008	2.008	4.24	3.78	1.44	1.43	3.20	3.11	3.67	2.188	1.548	16
17	0.5858	0.4988	2.078	4.15	3.71	1.36	2.85	3.21	3.07	3.70	2.178	1.538	17
18	0.5888	0.5008	2.208	4.36	3.62	1.32	13.7	3.19	3.01	3.78	2.138	1.538	18
19	0.5908	0.5028	2.758	4.41	3.55	1.45	15.7	3.20	2.95	3.63	2.088	1.528	19
20	0.5928	0.5058	4.978	4.27	3.57	1.45	16.6	3.18	2.90	3.87	2.048	1.528	20
21	0.5958	0.5188	5.778	4.14	3.62	1.42	17.2	3.09	2.84	4.10	2.028	1.538	21
22	0.6008	0.5308	9.608	3.96	3.61	1.35	17.2	3.00	2.79	4.63	1.988	1.518	22
23	0.6008	0.5458	14.68	4.01	3.71	1.27	17.2	3.01	2.76	3.91	1.968	1.518	23
24	0.6008	0.5658	20.38	4.13	3.66	1.35	16.8	3.00	2.77	3.41	1.938	1.518	24
25	0.6028	0.6058	20.28	4.15	3.69	1.34	15.8	2.98	2.75	3.29	1.908	1.508	25
26	0.6008	0.7008	25.18	4.19	3.91	1.28	14.2	2.98	2.88	3.25	1.878	1.508	26
27	0.5988	0.8068	42.28	4.15	3.75	1.26	12.9	2.94	3.05	3.24	1.858	1.508	27
28	0.5958	0.9108	35.68	4.14	3.58	1.19	11.5	2.88	3.18	3.22	1.838	1.508	28
29	0.5948		23.88	4.32	3.43	1.14	10.1	2.86	3.27	3.23	1.818	1.498	29
30	0.5928		22.6	4.33	3.23	1.12	8.97	2.82	3.36	3.18	1.808	1.498	30
31	0.5908		21.2		3.05		8.08	2.78		3.11		1.498	31
TOTAL	17.109	15.840	307.11	189.65	114.23	49.27	217.25	114.47	87.36	118.81	71.07	48.99	TOTAL
MEAN	0.552	0.566	9.91	6.32	3.69	1.64	7.01	3.69	2.91	3.83	2.37	1.58	MEAN
MAX	0.602	0.910	42.2	18.8	4.35	2.81	17.2	7.08	3.36	4.64	3.47	1.77	MAX
MIN	0.426	0.496	1.30	3.96	3.05	1.12	1.03	2.78	2.67	3.11	1.80	1.49	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.70
MAXIMUM DAILY, 42.28 ON MAR 27
MINIMUM DAILY, 0.4268 ON JAN 1
MAXIMUM INSTANTANEOUS,
47.48 AT 19.10 MST ON MAR 27

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 39 18 N
LONG 113 45 42 W
DRAINAGE AREA, 1 910 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 480	JUL	18 800
FEB	1 370	AUG	9 890
MAR	26 500	SEP	7 550
APR	16 400	OCT	10 200
MAY	9 870	NOV	6 140
JUN	4 260	DEC	4 230

TOTAL DISCHARGE, 117 000 dam³

SUNDANCE CREEK NEAR BICKERDIKE - STATION NO. 07AF010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.2228	0.5348	1.20	1.80	1.07	1.55	0.318	2.30	0.538	---	1
2	---	---	0.2348	0.4638	1.12	1.52	1.00	1.30	0.362	2.28	0.533	---	2
3	---	---	0.2488	0.4768	1.11	1.42	1.11	1.08	0.374	2.18	0.583	---	3
4	---	---	0.2448	0.5578	1.29	1.32	1.15	0.990	0.377	2.07	0.545A	---	4
5	---	---	0.2338	0.6858	1.66	1.30	1.21	0.887	0.445	1.97	---	---	5
6	---	---	0.2188	0.7118	1.90	1.38	1.89	0.773	0.422	1.88	---	---	6
7	---	---	0.2168	0.7008	1.97	1.40	2.04	0.678	0.367	1.80	---	---	7
8	---	---	0.2198	0.7378	1.85	1.36	1.95	0.585	0.334	1.69	---	---	8
9	---	---	0.2198	0.7808	1.81	1.29	1.75	0.512	0.318	1.58	---	---	9
10	---	---	0.2228	0.7468	2.03	1.26	1.65	0.437	0.355	1.48	---	---	10
11	---	---	0.2268	0.6748	2.47	1.35	1.70	0.438	0.456	1.42	---	---	11
12	---	---	0.2378	0.6798	2.47	1.47	1.72	0.359	0.604	1.33	---	---	12
13	---	---	0.2668	0.6858	2.32	1.41	2.09	0.311	0.680	1.28	---	---	13
14	---	---	0.3018	0.6628	2.22	1.35	2.72	0.285	0.630	1.18	---	---	14
15	---	---	0.2978	0.6708	2.18	1.73	3.25	0.265	0.801	1.12	---	---	15
16	---	---	0.2828	0.7168	2.08	2.64	3.38	0.186	0.867	1.06	---	---	16
17	---	---	0.2738	0.8038	1.96	2.36	4.29	0.181	0.706	1.02	---	---	17
18	---	---	0.2668	0.9038	1.89	2.12	5.09	0.167	0.742	0.985	---	---	18
19	---	---	0.2708	0.9518	2.06	1.97	5.82	0.199	0.749	0.933	---	---	19
20	---	---	0.2858	1.048	1.98	1.78	9.23	0.222	0.742	0.901	---	---	20
21	---	---	0.3128	1.118	1.95	1.66	7.71	0.272	0.734	0.874	---	---	21
22	---	---	0.3228	1.188	2.27	1.67	5.31	0.284	0.729	0.839	---	---	22
23	---	---	0.3188	1.248	2.51	1.56	5.29	0.284	0.733	0.807	---	---	23
24	---	---	0.3178	1.238	2.43	1.43	4.33	0.278	0.749	0.782	---	---	24
25	---	---	0.2868	1.228	2.32	1.33	3.70	0.274	0.852	0.764	---	---	25
26	---	---	0.2988	1.108	2.25	1.21	3.18	0.291	1.33	0.751	---	---	26
27	---	---	0.3638	1.078	2.15	1.10	2.81	0.284	1.99	0.738	---	---	27
28	---	0.2008	0.4748	0.972	2.06	1.02	2.30	0.259	2.11	0.719	---	---	28
29	---		0.5808	1.08	1.96	0.996	2.14	0.299	2.06	0.707	---	---	29
30	---		0.7438	1.18	1.83	1.07	1.98	0.297	2.16	0.689	---	---	30
31	---		0.8438		1.66		1.81	0.308		0.678		---	31
TOTAL	---	---	8.811	25.554	60.97	44.976	96.43	14.476	23.673	38.775	---	---	TOTAL
MEAN	---	---	0.310	0.852	1.97	1.50	3.11	0.467	0.789	1.25	---	---	MEAN
MAX	---	---	0.743	1.24	2.51	2.54	9.23	1.55	2.16	2.30	---	---	MAX
MIN	---	---	0.216	0.653	1.11	0.996	1.00	0.181	0.315	0.678	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.28
MAXIMUM DAILY, 9.23 ON JUL 20
MINIMUM DAILY, 0.181 ON AUG 17
MAXIMUM INSTANTANEOUS,
9.57 AT 07.14 MST ON JUL 20

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 33 58 N
LONG 114 42 12 W
DRAINAGE AREA, 166 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	8 330
FEB	---	AUG	1 250
MAR	830	SEP	2 050
APR	2 210	OCT	3 350
MAY	5 270	NOV	---
JUN	3 890	DEC	---

TOTAL DISCHARGE, 27 200 dam³

SUNWAPTA RIVER AT ATHABASCA GLACIER - STATION NO. 07AA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.060B	5.44	4.81	3.33	5.16	0.195	0.231	---	1
2	---	---	---	---	0.075B	4.90	6.30	4.27	5.36	0.179	0.194	---	2
3	---	---	---	---	0.090B	3.84	4.04	5.11	4.27	0.178	0.185	---	3
4	---	---	---	---	0.120B	3.12	2.27	5.34	4.03	0.249	0.171A	---	4
5	---	---	---	---	0.150B	2.90	2.06	4.46	2.23	0.442	---	---	5
6	---	---	---	---	0.140B	3.08	2.50	4.01	1.50	0.842	---	---	6
7	---	---	---	---	0.130B	3.39	3.77	4.54	1.36	0.845	---	---	7
8	---	---	---	---	0.110B	3.31	4.68	5.50	1.52	0.735	---	---	8
9	---	---	---	---	0.105B	3.14	4.87	5.11	1.78	0.555	---	---	9
10	---	---	---	---	0.100B	3.80	4.68	5.27	1.80	0.459	---	---	10
11	---	---	---	---	0.100B	4.82	4.80	6.20	1.16	0.376	---	---	11
12	---	---	---	---	0.105B	3.81	4.50	5.86	0.764	0.328	---	---	12
13	---	---	---	---	0.115B	3.24	4.49	5.73	0.614	0.287	---	---	13
14	---	---	---	---	0.135B	3.42	4.30	5.84	0.543	0.264	---	---	14
15	---	---	---	---	0.150B	3.71	3.15	3.76	0.495	0.247	---	---	15
16	---	---	---	---	0.200B	2.86	2.76	2.86	0.482	0.231	---	---	16
17	---	---	---	---	0.220B	3.24	2.50	3.13	0.446	0.208	---	---	17
18	---	---	---	---	0.230B	5.26	2.13	3.91	0.407	0.197	---	---	18
19	---	---	---	---	0.250B	5.10	2.79	3.33	0.367	0.171	---	---	19
20	---	---	---	---	0.270B	3.20	3.78	2.48	0.348	0.178	---	---	20
21	---	---	---	---	0.260B	2.54	4.82	2.73	0.318	0.192	---	---	21
22	---	---	---	---	0.255B	3.06	5.47	3.20	0.311	0.169	---	---	22
23	---	---	---	---	0.235E	4.60	5.36	3.50	0.453	0.147	---	---	23
24	---	---	---	---	0.300E	5.95	5.17	4.43	0.390	0.142	---	---	24
25	---	---	---	---	0.500E	5.40	4.50	3.83	0.330	0.174	---	---	25
26	---	---	---	---	0.940E	3.78	3.33	3.23	0.285	0.423	---	---	26
27	---	---	---	---	1.60 A	3.71	3.48	3.73	0.226	0.749	---	---	27
28	---	---	---	---	3.00 E	3.82	4.20	4.94	0.211	0.638	---	---	28
29	---		---	---	4.95 A	4.03	3.08	5.83	0.201	0.405	---	---	29
30	---		---	---	5.89	4.28	2.50	5.25	0.196	0.303	---	---	30
31	---		---		5.51		2.81	4.77		0.244	---	---	31
TOTAL	---	---	---	---	26.305	116.13	118.92	135.48	37.527	10.552	---	---	TOTAL
MEAN	---	---	---	---	0.849	3.87	3.87	4.37	1.25	0.340	---	---	MEAN
MAX	---	---	---	---	5.89	5.95	6.30	6.20	5.36	0.845	---	---	MAX
MIN	---	---	---	---	0.060	2.54	2.06	2.48	0.196	0.142	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.42
MAXIMUM DAILY, 6.30 ON JUL 2
MINIMUM DAILY, 0.060B ON MAY 1
MAXIMUM INSTANTANEOUS,
8.28 AT 17:15 MST ON AUG 11

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 13 00 N
LONG 117 13 57 W
DRAINAGE AREA, 28.8 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	10 400
FEB	---	AUG	11 700
MAR	---	SEP	3 240
APR	---	OCT	912
MAY	2 270	NOV	---
JUN	10 000	DEC	---

TOTAL DISCHARGE, 38 500 dam³

SWAN RIVER NEAR KINUSO - STATION NO. 07BJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.01 B	1.03 B	1.87B	4.77B	24.6	25.0	8.14	23.7	2.34A	21.2	5.80B	3.11B	1
2	1.02 B	1.04 B	1.88B	3.74B	23.3	21.4	7.40	19.4	2.35A	19.6	7.64B	3.02B	2
3	1.02 B	1.04 B	1.83B	3.16B	28.4	18.2	6.66	16.7	2.87A	16.7	10.5 B	2.76B	3
4	0.944B	1.04 B	1.59B	3.44B	39.0	15.8	6.27	63.0	3.58A	19.4	12.4 B	2.57B	4
5	0.952B	1.03 B	1.87B	3.68B	45.1	14.2	17.1	50.5	3.18A	42.6	11.7 B	2.46B	5
6	1.07 B	1.02 B	1.68B	4.29B	49.7	13.0	32.0	32.3	2.77A	32.5	9.44B	2.44B	6
7	1.15 B	0.979B	1.72B	4.72B	45.9	11.7	21.8	23.5	2.53A	26.0	7.22B	2.36B	7
8	1.21 B	0.952B	1.80B	10.9 B	49.8	10.7	16.6	18.5	2.30A	38.2	4.90B	2.34B	8
9	1.22 B	0.962B	1.55B	19.3 B	51.6	9.52	17.3	15.8	2.20A	33.5	3.90B	2.34B	9
10	1.27 B	0.888B	1.58B	20.4 B	52.5	8.89	23.4	13.9	1.88A	25.8	3.53B	2.31B	10
11	1.25 B	0.850B	1.55B	17.8	51.4	8.71	34.2	12.2	2.33A	20.5	3.72B	2.33B	11
12	1.28 B	0.812B	1.61B	12.6	46.4	15.3	59.2	10.5	3.82A	17.5	3.89B	2.43B	12
13	1.28 B	0.804B	1.79B	11.1	43.3	16.1	52.4	9.19	6.18A	15.5	4.07B	2.51B	13
14	1.19 B	0.816B	2.06B	9.53	57.4	12.8	49.2	8.18	4.77A	13.8	4.52B	2.49B	14
15	1.30 B	0.831B	2.06B	8.99	60.5	10.6	104	7.10	4.00A	12.7	4.56B	2.28B	15
16	1.23 B	0.858B	2.03B	8.70	47.2	9.53	195	6.91	3.80A	11.8	3.93B	2.15B	16
17	1.16 B	0.836B	2.04B	8.84	41.7	9.50	200	6.84	3.47A	10.8	3.62B	2.07B	17
18	1.11 B	0.785B	2.16B	13.5	44.7	9.80	289	6.19	3.34A	9.92	3.30B	1.98B	18
19	1.12 B	0.707B	2.40B	20.2	46.1	25.1	275	5.49	3.22A	9.11	3.33B	1.96B	19
20	1.08 B	0.648B	2.63B	25.4	47.0	80.8	128	4.81	3.09A	8.45	3.39B	1.78B	20
21	1.09 B	0.665B	3.18B	42.8	50.5	52.2	59.8	4.52	2.97A	8.02	3.72B	1.74B	21
22	1.09 B	0.640B	3.47B	42.6	84.3	32.5	46.8	4.21	2.89A	7.57	3.75B	1.68B	22
23	1.09 B	0.806B	3.60B	28.6	115	23.2	36.5	3.90	2.58	7.09	3.75B	1.65B	23
24	1.08 B	0.626B	3.30B	23.2	107	19.0	77.1	3.65	2.49	6.74	3.90B	1.68B	24
25	1.06 B	0.675B	2.88B	19.3	81.4	18.2	54.3	3.37	2.52	6.46	3.86B	1.79B	25
26	1.07 B	0.758B	2.88B	18.5	68.3	13.7	37.7	3.20	2.47	6.23	3.80B	1.84B	26
27	1.08 B	1.18 B	2.88B	26.3	58.2	12.3	32.8	3.05	4.44	6.17	3.71B	1.83B	27
28	1.06 B	1.42 B	3.50B	36.2	49.8	11.4	29.3	2.87	23.4	6.35	3.63B	1.88B	28
29	1.04 B		4.10B	41.3	40.9	10.2	31.1	2.73A	28.0	8.75	3.37B	2.00B	29
30	1.05 B		4.58B	34.8	34.7	9.05	27.1	2.56A	20.1	8.28	3.19B	2.08B	30
31	1.04 B		4.88B		29.6		25.8	2.45A		8.23B		2.13B	31
TOTAL	34.55B	24.50B	76.83	531.76	1 613.6	545.10	2 008.77	391.22	155.58	479.57	151.84	68.14	TOTAL
MEAN	1.11	0.875	2.48	17.7	52.1	18.2	64.8	12.6	5.19	15.5	5.05	2.20	MEAN
MAX	1.28	1.42	4.88	42.8	115	80.8	289	63.0	28.0	42.6	12.4	3.11	MAX
MIN	0.944	0.606	1.55	3.16	23.3	8.89	6.27	2.45	1.98	6.17	3.19	1.65	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 16.7
MAXIMUM DAILY, 289 ON JUL 18
MINIMUM DAILY, 0.606B ON FEB 23
MAXIMUM INSTANTANEOUS,
333 AT 02:30 MST ON JUL 19

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 19 00 N
LONG 115 24 30 W
DRAINAGE AREA, 1 800 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2 990	JUL	174 000
FEB	2 120	AUG	33 800
MAR	6 840	SEP	13 400
APR	45 900	OCT	41 400
MAY	139 000	NOV	13 100
JUN	47 200	DEC	5 880

TOTAL DISCHARGE, 525 000 dam³

SWAN RIVER NEAR SWAN HILLS - STATION NO. 07BJ003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1788	0.2128	2.88	3.04	1.13	3.21	0.424	1.85	1.15	---	1
2	---	---	0.1688	0.1388	2.60	2.88	1.05	2.75	0.461	1.70	2.85	---	2
3	---	---	0.1608	0.1808	3.67	2.23	0.969	2.84	0.506	1.61	4.23	---	3
4	---	---	0.1508	0.8878	3.89	1.89	1.05	5.07	0.517	2.82	3.69	---	4
5	---	---	0.1338	2.10 B	4.37	1.84	3.74	3.77	0.515	3.19	2.87A	---	5
6	---	---	0.1078	2.81 B	4.57	1.70	3.25	2.90	0.480	2.23	---	---	6
7	---	---	0.0798	3.25 B	5.05	1.53	2.29	2.51	0.470	3.14	---	---	7
8	---	---	0.0688	3.32 B	5.88	1.38	1.84	2.32	0.446	3.80	---	---	8
9	---	---	0.0598	2.86 B	5.43	1.25	1.61	2.17	0.447	2.92	---	---	9
10	---	---	0.0528	1.13 B	5.43	1.17	2.43	1.94	0.438	2.27	---	---	10
11	---	---	0.0488	1.01 B	5.36	1.83	8.38	1.78	0.707	2.00	---	---	11
12	---	---	0.0488	1.48 B	5.13	2.39	8.33	1.68	0.932	1.80	---	---	12
13	---	---	0.0528	1.18 B	5.59	1.98	6.05	1.50	0.785	1.59	---	---	13
14	---	---	0.0498	0.8588	7.77	1.72	7.29	1.30	0.710	1.45	---	---	14
15	---	---	0.0478	0.7558	6.19	1.56	10.5	1.13	0.660	1.38	---	---	15
16	---	---	0.0478	0.8718	5.40	1.77	14.5	1.08	0.829	1.28	---	---	16
17	---	---	0.0478	1.98 B	6.44	1.95	16.5	1.02	0.867	1.18	---	---	17
18	---	---	0.0488	2.94 B	8.00	3.18	36.2	0.925	0.843	1.13	---	---	18
19	---	---	0.0478	3.28 B	8.15	7.75	14.0	0.839	0.819	1.06	---	---	19
20	---	---	0.0538	5.53 B	9.53	9.07	7.85	0.801	0.591	1.02	---	---	20
21	---	---	0.0898	5.46 B	9.36	4.70	5.95	0.742	0.572	0.998	---	---	21
22	---	---	0.1138	3.71 B	6.40	3.22	4.85	0.691	0.589	0.948	---	---	22
23	---	---	0.0868	3.71 B	8.06	2.57	8.89	0.620	0.581	0.940	---	---	23
24	---	---	0.0708	3.40	7.89	2.24	7.63	0.593	0.580	0.893	---	---	24
25	---	---	0.0688	3.00	7.74	1.95	5.09	0.582	0.575	0.881	---	---	25
26	---	---	0.0588	3.19	7.45	1.75	4.36	0.558	0.824	0.867	---	---	26
27	---	---	0.1178	5.43	7.53	1.67	4.33	0.504	2.43	0.830	---	---	27
28	---	---	0.2528	5.15	5.40	1.52	5.20	0.478	2.70	0.824	---	---	28
29	---		0.3818	4.22	4.62	1.34	4.95	0.458	2.07	0.810	---	---	29
30	---		0.3418	2.88	3.98	1.24	4.22	0.446	1.85	0.788	---	---	30
31	---		0.2798		3.50		4.24	0.421		1.05		---	31
TOTAL	---	---	3.498	76.742	182.84	74.28	204.479	47.618	24.458	49.170	---	---	TOTAL
MEAN	---	---	0.113	2.56	5.90	2.48	6.60	1.54	0.815	1.59	---	---	MEAN
MAX	---	---	0.381	5.53	9.53	9.07	36.2	5.07	2.70	3.80	---	---	MAX
MIN	---	---	0.046	0.139	2.60	1.17	0.969	0.421	0.424	0.788	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.71
MAXIMUM DAILY, 36.2 ON JUL 18
MINIMUM DAILY, 0.0468 ON MAR 18
MAXIMUM INSTANTANEOUS,
42.3 AT 11:15 MST ON JUL 18

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 48 08 N
LONG 115 28 12 W
DRAINAGE AREA, 156 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	17 700
FEB	---	AUG	4 110
MAR	302	SEP	2 110
APR	6 630	OCT	4 250
MAY	15 800	NOV	---
JUN	6 420	DEC	---

TOTAL DISCHARGE, 57 300 dam³

SWIFTCURRENT CREEK AT SHERBURNE - STATION NO 05AE033

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0488	4.80	3.19	35.5	11.6	17.5	14.5	0.008	---	---	1
2	---	---	0.0458	6.52	2.29	32.0	11.8	17.3	12.6	0.007	---	---	2
3	---	---	0.0428	7.53	2.29	30.0	11.9	17.2	7.26	0.005	---	---	3
4	---	---	0.0408	7.51	2.29	20.4	10.7	17.1	1.89	0.005	---	---	4
5	---	---	0.0348	7.48	2.30	10.5	11.1	17.0	0.003	0.005	---	---	5
6	---	---	0.0288	7.44	2.32	4.41	10.7	16.8	0.003	0.004	---	---	6
7	---	---	0.0258	6.63	2.32	2.41	11.4	16.7	0.003	0.003	---	---	7
8	---	---	0.0238	6.09	2.32	2.42	11.8	17.4	0.003	0.003	---	---	8
9	---	---	0.0238	6.09	2.32	2.43	14.2	17.7	0.004	0.003	---	---	9
10	---	---	0.0208	6.09	2.32	2.44	16.5	17.5	0.003	0.003	---	---	10
11	---	---	0.0208	6.09	2.32	2.44	16.5	17.4	0.003	0.003	---	---	11
12	---	---	0.0208	6.06	2.32	5.73	16.4	16.5	0.089	0.003	---	---	12
13	---	---	0.0178	6.06	5.23	7.89	15.4	17.2	0.080	0.003	---	---	13
14	---	---	0.0178	6.07	7.60	9.92	14.8	17.0	0.085	0.003	---	---	14
15	---	---	0.0178	6.08	7.59	13.5	14.0	16.8	0.084	0.003	---	---	15
16	---	---	0.0148	6.07	7.59	12.9	13.8	16.7	0.071	0.003	---	---	16
17	---	---	0.0148	6.05	7.61	11.3	13.8	16.5	0.053	0.003	---	---	17
18	---	---	0.0148	6.05	7.80	8.82	13.8	16.4	0.054	0.003	---	---	18
19	---	---	0.0148	6.04	8.91	10.2	15.4	16.2	0.052	0.003	---	---	19
20	---	---	0.0148	6.04	8.66	9.86	16.3	16.1	0.051	1.48	---	---	20
21	---	---	0.0178	6.04	16.0	10.4	17.2	16.5	0.030	3.08	---	---	21
22	---	---	0.0178	7.38	22.2	9.71	16.5	16.7	0.007	3.11	---	---	22
23	---	---	0.0178	16.3	17.5	8.45	16.4	16.6	0.003	3.11	---	---	23
24	---	---	0.0208	17.8	14.6	7.99	16.3	16.3	0.003	3.11	---	---	24
25	---	---	0.0238	12.4	14.6	7.99	16.2	16.0	0.003	3.11	---	---	25
26	---	---	0.0288	8.33	14.7	7.37	16.2	15.8	0.003	3.12	---	---	26
27	---	---	0.033	8.33	19.5	6.81	16.1	15.6	0.003	3.11	---	---	27
28	---	---	0.042	8.32	27.2	7.18	17.9	15.4	0.003	3.11	---	---	28
29	---		0.045	8.32	35.5	8.11	17.8	15.2	0.003	3.11 E	---	---	29
30	---		0.054	7.01	37.8	8.98	17.8	14.9	0.004	3.11 E	---	---	30
31	---		2.48		38.5		17.6	14.7		1.05 E		---	31
TOTAL	---	---	3.265	226.08	338.59	320.24	487.1	511.6	36.743	33.624	---	---	TOTAL
MEAN	---	---	0.105	7.54	11.0	10.7	15.1	16.5	1.22	1.08	---	---	MEAN
MAX	---	---	2.48	17.8	37.8	35.5	18.5	17.7	14.5	3.12	---	---	MAX
MIN	---	---	0.014	4.80	2.29	2.41	10.7	14.7	0.003	0.003	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.81
MAXIMUM DAILY, 37.8 ON MAY 30
MINIMUM DAILY, 0.003 ON SEP 5
MAXIMUM INSTANTANEOUS,
42.2 AT 22:30 MST ON MAY 29

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 49 49 N
LONG 113 30 59 W
DRAINAGE AREA, 188 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	40 400
FEB	---	AUG	44 200
MAR	282	SEP	3 170
APR	19 500	OCT	2 910
MAY	29 300	NOV	---
JUN	27 700	DEC	---

TOTAL DISCHARGE, 187 000 dam³

SYLVAN LAKE AT SYLVAN LAKE - STATION NO. 05CC003

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	936.445	936.501	---	936.566	---	936.638	---	---	---	1
2	---	---	---	---	936.506	936.596	936.565	936.592	---	---	---	---	2
3	---	---	---	---	936.500	936.593	936.570	---	936.635	---	936.622	---	3
4	---	---	---	---	---	---	936.573	936.695	936.655	936.649	---	---	4
5	---	---	---	---	---	936.570	---	---	936.647	936.653	---	---	5
6	---	---	---	---	---	---	---	936.692	936.645	936.644	---	---	6
7	---	---	---	---	936.512	936.572	936.558	936.698	936.635	---	---	---	7
8	---	---	936.494	---	936.514	936.575	936.563	936.711	---	---	---	---	8
9	---	---	---	---	936.522	936.582	---	936.702	936.628	936.643	---	---	9
10	---	---	---	---	936.520	936.582	936.579	---	936.626	936.638	---	---	10
11	---	---	---	---	---	936.578	936.585	---	936.631	936.624	---	---	11
12	---	---	936.422	---	936.515	936.570	---	936.704	---	936.626	---	---	12
13	---	---	---	---	---	936.582	---	936.702	936.625	936.650	---	---	13
14	---	---	---	---	---	936.584	936.593	936.705	936.604	936.629	---	---	14
15	---	---	---	---	936.595	936.580	936.604	936.702	---	---	---	---	15
16	---	---	---	---	936.590	---	---	---	936.598	---	---	---	16
17	---	---	---	---	936.585	936.580	936.604	---	936.604	---	---	---	17
18	---	---	---	---	936.600	936.552	936.602	936.667	936.601	936.642	---	---	18
19	---	---	---	---	---	936.529	---	936.669	---	936.642	---	---	19
20	---	---	---	---	936.590	---	---	936.667	936.599	---	---	---	20
21	---	---	---	---	936.602	---	936.684	---	---	936.646	---	---	21
22	---	---	---	936.475	936.605	936.557	936.681	---	---	936.644	---	---	22
23	---	---	---	---	936.598	936.552	---	936.649	---	---	---	---	23
24	---	---	---	---	936.588	936.580	936.676	---	936.600	---	---	---	24
25	---	---	936.436	---	936.602	936.588	---	---	936.608	936.624	---	---	25
26	---	---	---	---	936.596	---	936.687	---	936.610	936.618	---	---	26
27	---	---	---	---	---	---	936.692	936.634	936.616	936.622	---	---	27
28	---	---	---	---	936.600	---	---	936.636	936.612	---	---	---	28
29	---		---	---	936.603	936.562	---	936.632	936.616	---	---	---	29
30	---		---	---	---	---	936.691	936.636	936.618	936.630	---	---	30
31	---		---		---		936.684	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 18 44 N
LONG 114 06 08 W

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA, 151 km²

TEEPEE CREEK NEAR LA CRETE - STATION NO. 07JD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.2258	0.083	0.026	0.921	0.120	0	0	---	---	1
2	---	---	0 B	0.3608	0.086	0.012	0.748	0.221	0	0	---	---	2
3	---	---	0 B	0.5218	0.085	0.001	0.609	0.310	0	0	---	---	3
4	---	---	0 B	0.3818	0.110	0.017	0.491	0.044	0	0	---	---	4
5	---	---	0 B	0.6458	0.106	0.153	0.392	0.078	0	0	---	---	5
6	---	---	0 B	1.55 B	0.129	0.026	0.330	0.025	0	0	---	---	6
7	---	---	0 B	1.78 B	0.158	0.001	0.252	0.251	0	0.001	---	---	7
8	---	---	0 B	1.51	0.171	0	0.144	0.272	0	0.001	---	---	8
9	---	---	0 B	0.823	0.095	0	0.116	0.176	0	0.001	---	---	9
10	---	---	0 B	0.604	0.156	0	0.107	0.086	0	0	---	---	10
11	---	---	0 B	0.207	0.116	0	0.102	0.036	0	0	---	---	11
12	---	---	0 B	0.121	0.074	0	0.122	0.018	0	0.001	---	---	12
13	---	---	0 B	0.079	0.053	0	0.158	0.012	0.001	0.001	---	---	13
14	---	---	0 B	0.083	0.052	0	0.194	0.025	0.001	0.001	---	---	14
15	---	---	0 B	0.081	0.055	0	0.154	0.023	0.001	0.001	---	---	15
16	---	---	0 B	0.075	0.141	0	0.167	0.012	0	0.001	---	---	16
17	---	---	0 B	0.105	0.058	0	0.164	0.008	0.001	0.001	---	---	17
18	---	---	0 B	0.137	0.048	0	0.178	0.008	0	0.001	---	---	18
19	---	OB	0 B	0.155	0.027	0.003	0.153	0.008	0	0.001	---	---	19
20	---	OB	0 B	0.151	0.015	0.400	0.052	0.007	0	0.001	---	---	20
21	---	OB	0 B	0.151	0.012	1.37	0.037	0.007	0.001	0.001	---	---	21
22	---	OB	0 B	0.114	0.148	1.42	0.161	0.005	0.001	0.001	---	---	22
23	---	OB	0 B	0.092	0.059	1.25	0.042	0.003	0.001	0	---	---	23
24	---	OB	0 B	0.089	0.057	2.16	0.030	0.003	0.001	0	---	---	24
25	---	OB	0 B	0.081	0.038	3.25	0.207	0.001	0.001	0	---	---	25
26	---	OB	0 B	0.073	0.018	2.85	0.224	0	0	0	---	---	26
27	---	OB	0 B	0.044	0.013	2.25	0.206	0	0.001	0.001	---	---	27
28	---	OB	0 B	0.072	0.035	1.79	0.025	0	0	0.001A	---	---	28
29	---		0.001B	0.183	0.025	1.45	0.081	0	0	0.001E	---	---	29
30	---		0.020B	0.108	0.034	1.15	0.209	0	0	0.001E	---	---	30
31	---		0.090B		0.040		0.064	0		0.001E		---	31
TOTAL	---	---	0.111	10.570	2.297	19.589	8.840	1.762	0.010	0.019	---	---	TOTAL
MEAN	---	---	0.004	0.352	0.074	0.653	0.221	0.057	0	0.001	---	---	MEAN
MAX	---	---	0.090	1.78	0.171	3.25	0.921	0.310	0.001	0.001	---	---	MAX
MIN	---	---	0	0.044	0.012	0	0.025	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.158
MAXIMUM DAILY, 3.25 ON JUN 25
MINIMUM DAILY, OB ON MAR 1
MAXIMUM INSTANTANEOUS,
3.31 AT 07:30 MST ON JUN 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 08 16 N
LONG 118 14 55 W
DRAINAGE AREA, 133 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	591
FEB	---	AUG	152
MAR	8.59	SEP	0.86
APR	913	OCT	1.64
MAY	198	NOV	---
JUN	1 690	DEC	---

TOTAL DISCHARGE, 3 580 dam³

THREEHILLS CREEK BELOW RAY CREEK - STATION NO. 05CE018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.869B	0.137	0.041	0.026	0.026	0.099	0.001	0.392	0.109E	---	1
2	---	---	0.876B	0.124	0.041	0.026	0.045	0.092	0.002E	0.300	0.112E	---	2
3	---	---	0.829B	0.096	0.041	0.005	0.044	0.082	0.002E	0.300	0.116	---	3
4	---	---	0.687B	0.097	0.028	0.005	0.056	0.083	0.003E	0.305	---	---	4
5	---	---	0.517B	0.082	0.027	0.008	0.054	0.271	0.004	0.305	---	---	5
6	---	---	0.437B	0.083	0.031	0.008	0.051	0.275	0.011E	0.244	---	---	6
7	---	---	0.358B	0.050	0.031	0.008	0.041	0.136	0.018E	0.237	---	---	7
8	---	---	0.279B	0.052	0.031	0.020	0.040	0.101	0.026	0.225	---	---	8
9	---	---	0.200B	0.048	0.031	0.020	0.039	0.082E	0.034	0.202E	---	---	9
10	---	---	0.121B	0.041	0.031	0.010	0.053	0.063E	0.033E	0.180E	---	---	10
11	---	---	0.150B	0.043	0.047	0.008	0.052	0.043	0.032	0.157	---	---	11
12	---	---	0.178B	0.085	0.048	0.007	0.051	0.041	0.031E	0.159E	---	---	12
13	---	---	0.207B	0.086	0.050	0.005	0.053E	0.041	0.030E	0.160	---	---	13
14	---	---	0.208B	0.011	0.243E	0.004	0.055	0.029	0.030E	0.127	---	---	14
15	---	---	0.205B	0.014	0.437E	0.003E	0.044	0.029	0.029	0.128E	---	---	15
16	---	---	0.204B	0.012	0.631	0.003	0.044	0.019	0.037E	0.128E	---	---	16
17	---	---	0.202B	0.017	0.631	0.004E	0.981	0.016	0.045	0.125E	---	---	17
18	---	---	0.201B	0.019	2.39	0.006E	0.987	0.017	0.039E	0.124E	---	---	18
19	---	---	0.200B	0.010	2.40	0.007E	3.38	0.010	0.032E	0.124	---	---	19
20	---	---	0.199B	0.009	1.11	0.008E	1.41	0.010	0.026	0.125E	---	---	20
21	---	---	0.225B	0.014	0.874	0.010E	0.781	0.020	0.022E	0.127	---	---	21
22	---	---	0.199B	0.022	0.436	0.012E	0.613	0.010	0.018	0.127	---	---	22
23	---	---	0.160B	0.021	0.436	0.014E	0.280	0.008	0.018	0.151	---	---	23
24	---	---	0.156B	0.043	0.146	0.015E	0.263	0.006	0.018	0.152	---	---	24
25	---	---	0.225B	0.043	0.146	0.017E	0.193E	0.004	0.247E	0.118	---	---	25
26	---	0 B	0.257B	0.044	0.146	0.018E	0.123E	0.003	0.476	0.118	---	---	26
27	---	0.200B	0.208B	0.043	0.066	0.020E	0.120	0.002	0.620	0.117	---	---	27
28	---	0.612B	0.105B	0.043	0.085	0.021E	0.115	0.002	0.694	0.117	---	---	28
29	---		0.079B	0.044	0.046	0.023E	0.110	0.002E	0.660	0.103	---	---	29
30	---		0.136B	0.044	0.046	0.024E	0.110	0.002E	0.472	0.103	---	---	30
31	---		0.171		0.025		0.105	0.001		0.108E	---	---	31
TOTAL	---	---	9.046	1.387	10.752	0.385	10.289	1.599	3.711	5.382	---	---	TOTAL
MEAN	---	---	0.292	0.047	0.347	0.012	0.332	0.052	0.124	0.174	---	---	MEAN
MAX	---	---	0.876	0.137	2.40	0.026	3.38	0.275	0.694	0.392	---	---	MAX
MIN	---	---	0.079	0.009	0.025	0.003	0.026	0.001	0.001	0.103	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.174
MAXIMUM DAILY, 3.38 ON JUL 19
MINIMUM DAILY, 0.001 ON AUG 31

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 59 10 N
LONG 113 34 04 W
DRAINAGE AREA, 197 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	880
FEB	---	AUG	138
MAR	782	SEP	321
APR	121	OCT	465
MAY	928	NOV	---
JUN	315	DEC	---

TOTAL DISCHARGE, 3 680 dam³

THREEHILLS CREEK NEAR CARBON - STATION NO. 05CE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2.31 B	0.574	0.056	0.585	0.035	0.735	0.020	0.840	0.190B	---	1
2	---	---	1.75 B	0.486	0.059	0.484	0.031	0.533	0.015	0.705	0.316B	---	2
3	---	---	1.25 B	0.460	0.084	0.413	0.026	0.567	0.011	0.844	0.228	---	3
4	---	---	1.01 B	0.418	0.098	0.497	0.021	0.472	0.025	0.831	0.198A	---	4
5	---	---	0.788B	0.389	0.114	1.24	0.022	0.402	0.029	1.03	---	---	5
6	---	---	0.491B	0.368	0.120	5.10	0.023	0.338	0.019	0.981	---	---	6
7	---	---	0.708B	0.345	0.154	1.94	0.025	0.290	0.018	0.873	---	---	7
8	---	---	0.900B	0.308	0.108	0.855	0.020	0.251	0.014	0.792	---	---	8
9	---	---	1.20 B	0.284	0.088	0.518	0.023	0.225	0.015	0.685	---	---	9
10	---	---	1.46 B	0.256	0.087	3.80	0.038	0.217	0.012	0.582	---	---	10
11	---	---	1.32 B	0.223	0.098	3.82	0.038	0.204	0.028	0.498	---	---	11
12	---	---	0.960B	0.196	0.095	1.71	0.028	0.208	0.026	0.455	---	---	12
13	---	---	0.812B	0.183	0.084	0.979	0.020	0.173	0.015	0.386	---	---	13
14	---	---	0.748B	0.181	0.148	0.609	0.016	0.136	0.009	0.375	---	---	14
15	---	---	0.695B	0.151	0.294	0.481	0.016	0.113	0.007	0.389	---	---	15
16	---	---	0.643B	0.388	0.283	0.361	0.014	0.084	0.008	0.321	---	---	16
17	---	---	0.602B	0.447	1.68	0.285	0.088	0.087	0.018	0.265	---	---	17
18	---	---	0.575B	0.403	3.89	0.234	0.138	0.075	0.026	0.251	---	---	18
19	---	---	0.591B	0.225	3.04	0.191	0.121	0.058	0.021	0.214	---	---	19
20	---	---	0.603B	0.125	1.52	0.158	0.477	0.056	0.025	0.198	---	---	20
21	---	---	0.889B	0.092	1.63	0.142	1.80	0.054	0.019	0.174	---	---	21
22	---	---	0.759B	0.085	2.00	0.101	1.70	0.054	0.021	0.163	---	---	22
23	---	---	0.732B	0.093	2.35	0.082	1.40	0.052	0.011	0.147	---	---	23
24	---	---	0.760B	0.081	2.27	0.071	1.13	0.050	0.008	0.145	---	---	24
25	---	0.009B	0.711B	0.073	1.86	0.084	1.88	0.048	0.585	0.148	---	---	25
26	---	0.100B	0.893B	0.071	1.53	0.055	1.83	0.046	0.821	0.190	---	---	26
27	---	3.78 B	0.789	0.063	1.28	0.054	1.74	0.039	0.848	0.138	---	---	27
28	---	2.42 B	0.565	0.080	1.06	0.046	1.50	0.034	0.893	0.125	---	---	28
29	---		0.841	0.081	0.889	0.041	1.32	0.037	1.21	0.138	---	---	29
30	---		0.583	0.082	0.750	0.043	1.07	0.027	1.01	0.113	---	---	30
31	---		0.509		0.648		0.878	0.027		0.1088	---	---	31
TOTAL	---	---	27.448	7.152	28.775	25.939	17.445	5.783	5.386	13.214	---	---	TOTAL
MEAN	---	---	0.885	0.238	0.928	0.865	0.563	0.187	0.179	0.426	---	---	MEAN
MAX	---	---	2.31	0.574	3.89	5.10	1.93	0.735	1.21	1.03	---	---	MAX
MIN	---	---	0.491	0.080	0.056	0.041	0.014	0.027	0.007	0.108	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.535
MAXIMUM DAILY, 5.10 ON JUN 6
MINIMUM DAILY, 0.007 ON SEP 15
MAXIMUM INSTANTANEOUS,
5.31 AT 21:40 MST ON JUN 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 33 53 N
LONG 113 04 18 W
DRAINAGE AREA, 1 070 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 510
FEB	---	AUG	501
MAR	2 370	SEP	484
APR	618	OCT	1 140
MAY	2 490	NOV	---
JUN	2 240	DEC	---

TOTAL DISCHARGE, 11 300 dam³

THREEPOINT CREEK NEAR MILLARVILLE - STATION NO. 05BL013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	3.82 B	0.935	1.68	3.80	1.78	1.28	0.918	9.98	1.29	---	1
2	---	---	4.91 B	0.850	1.66	3.52	1.38	1.13	0.705	8.89	1.86	---	2
3	---	---	3.17 B	0.678	1.67	3.16	1.19	0.985	0.800	7.53	1.90	---	3
4	---	---	2.61 B	0.701	2.06	2.94	1.06	0.927	0.576	8.35	1.92	---	4
5	---	---	2.00 B	0.763	2.46	3.29	1.03	0.835	0.707	6.73	1.88	---	5
6	---	---	1.18 B	0.884	4.19	3.71	0.999	0.962	0.609	7.75	1.78A	---	6
7	---	---	0.905 B	0.868	4.28	3.70	0.916	0.821	0.748	7.61	---	---	7
8	---	---	0.810 B	0.949	3.69	3.44	0.979	0.761	0.663	8.11	---	---	8
9	---	---	0.710 B	1.05	2.76	3.30	2.34	0.841	0.681	7.61	---	---	9
10	---	---	0.608 B	1.19	4.27	2.98	2.06	0.871	0.652	7.17	---	---	10
11	---	---	0.576 B	1.13	5.69	2.88	1.52	0.803	0.682	6.15	---	---	11
12	---	---	0.526 B	0.940 B	5.98	2.48	1.31	0.782	0.625	5.27	---	---	12
13	---	---	0.520 B	0.810 B	5.42	2.28	1.83	0.979	0.538	4.77	---	---	13
14	---	---	0.495 B	0.801 B	5.35	2.06	1.69	1.06	0.663	4.28	---	---	14
15	---	---	0.441	0.886	4.89	2.24	1.44	0.681	0.683	3.87	---	---	15
16	---	---	0.463	0.919	5.31	2.13	1.54	0.787	0.702	3.56	---	---	16
17	---	---	0.465	1.12	5.24	1.86	5.76	0.724	1.61	3.32	---	---	17
18	---	---	0.376	1.25	5.50	1.70	4.54	0.659	1.62	3.09	---	---	18
19	---	---	0.416	1.22	6.66	1.65	3.11	0.590	1.33	2.89	---	---	19
20	---	---	0.575	1.24	7.51	1.45	2.53	0.577	1.24	2.76	---	---	20
21	---	---	1.78	1.67	8.84	1.31	2.21	0.537	1.18	2.63	---	---	21
22	---	---	1.95	2.13	11.5	1.19	1.78	0.511	1.10	2.49	---	---	22
23	---	---	1.20	2.24	10.1	1.07	1.57	0.482	1.04	2.35	---	---	23
24	---	---	0.926	1.92	8.21	0.993	1.67	0.433	0.992	2.26	---	---	24
25	---	---	0.700	1.82	7.34	1.02	1.67	0.460	1.02	2.17	---	---	25
26	---	4.87 B	0.620	1.76	7.08	0.961	1.64	0.419	8.84	2.09	---	---	26
27	---	2.92 B	0.720	1.74	6.08	0.870	1.58	0.388	9.66	2.02	---	---	27
28	---	2.47 B	1.33	1.70	6.26	0.823	2.07	0.351	5.76	1.85	---	---	28
29	---		1.61	1.61	5.56	1.21	1.82	0.341	6.43	1.82	---	---	29
30	---		1.35	1.55	4.85	2.11	1.62	0.458	4.42	1.83	---	---	30
31	---		1.03		4.32		1.50	0.934		1.72		---	31
TOTAL	---	---	39.615	37.628	169.28	65.997	59.112	22.638	56.702	141.23	---	---	TOTAL
MEAN	---	---	1.28	1.25	5.46	2.20	1.91	0.730	1.89	4.56	---	---	MEAN
MAX	---	---	4.91	2.24	11.5	3.80	5.76	1.28	9.66	9.98	---	---	MAX
MIN	---	---	0.376	0.678	1.66	0.823	0.916	0.341	0.576	1.72	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.41
MAXIMUM DAILY, 11.5 ON MAY 22
MINIMUM DAILY, 0.341 ON AUG 29
MAXIMUM INSTANTANEOUS,
13.0 AT 00:10 MST ON SEP 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 45 16 N
LONG 114 16 30 W
DRAINAGE AREA, 507 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	5 110
FEB	---	AUG	1 960
MAR	3 420	SEP	4 900
APR	3 250	OCT	12 200
MAY	14 600	NOV	---
JUN	5 700	DEC	---

TOTAL DISCHARGE, 51 100 dam³

TINASTOLL CREEK NEAR MARKERVILLE - STATION NO. 05CC012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	0.029	0.441	0.021	0.547	0.044	---	1
2	---	---	---	---	---	---	0.022	0.337	0.022	0.748	0.036	---	2
3	---	---	---	---	---	---	0.026	0.251	0.026	0.792	0.040A	---	3
4	---	---	---	---	---	---	0.026	0.200	0.033	0.660	---	---	4
5	---	---	---	---	---	---	0.027	0.157	0.042	0.548	---	---	5
6	---	---	---	---	---	---	0.024	0.127	0.038	0.454	---	---	6
7	---	---	---	---	---	---	0.028	0.108	0.046	0.368	---	---	7
8	---	---	---	---	---	---	0.026	0.087	0.044	0.301	---	---	8
9	---	---	---	---	---	---	0.027	0.070	0.034	0.255	---	---	9
10	---	---	---	---	---	---	0.969	0.061	0.035	0.325	---	---	10
11	---	---	---	---	---	---	1.65	0.067	0.061	0.294	---	---	11
12	---	---	---	---	---	---	1.11	0.057	0.037	0.169	---	---	12
13	---	---	---	---	---	---	0.775	0.051	0.033	0.168	---	---	13
14	---	---	---	---	---	---	0.554	0.045	0.035	0.127	---	---	14
15	---	---	---	---	---	---	0.372	0.030	0.118	0.117	---	---	15
16	---	---	---	---	---	---	0.247	0.033	0.044	0.105	---	---	16
17	---	---	---	---	---	---	1.04	0.027	0.024	0.102	---	---	17
18	---	---	---	---	---	---	3.31	0.026	0.023	0.106	---	---	18
19	---	---	---	---	---	---	4.05	0.022	0.022	0.080	---	---	19
20	---	---	---	---	---	---	3.73	0.018	0.025	0.066	---	---	20
21	---	---	---	---	---	---	2.82	0.017	0.038	0.063	---	---	21
22	---	---	---	---	---	---	1.73	0.012	0.110	0.060	---	---	22
23	---	---	---	---	---	---	1.22	0.010	0.151	0.055	---	---	23
24	---	---	---	---	---	---	0.957	0.008	0.214	0.052	---	---	24
25	---	---	---	---	---	---	0.844	0.007	0.263	0.050	---	---	25
26	---	---	---	---	---	0.018A	0.765	0.007	0.487	0.052	---	---	26
27	---	---	---	---	---	0.022	0.707	0.006	0.884	0.048	---	---	27
28	---	---	---	---	---	0.019	0.700	0.005	0.888	0.050	---	---	28
29	---		---	---	---	0.020	0.662	0.011	0.614	0.048	---	---	29
30	---		---	---	---	0.029	0.616	0.022	0.607	0.053	---	---	30
31	---		---		---		0.535	0.022		0.046		---	31
TOTAL	---	---	---	---	---	---	29.627	2.361	5.442	7.143	---	---	TOTAL
MEAN	---	---	---	---	---	---	0.956	0.076	0.181	0.230	---	---	MEAN
MAX	---	---	---	---	---	---	4.05	0.441	0.888	0.792	---	---	MAX
MIN	---	---	---	---	---	---	0.022	0.005	0.021	0.046	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 4.05 ON JUL 19

MAXIMUM INSTANTANEOUS,
4.14 AT 16:17 MST ON JUL 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT N
LONG W

A - MANUAL GAUGE

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	2 560
FEB	---	AUG	204
MAR	---	SEP	470
APR	---	OCT	617
MAY	---	NOV	---
JUN	---	DEC	---

TODD CREEK AT ELTON'S RANCH - STATION NO. 05AA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.517	0.583	1.18	0.388	0.470	0.138	---	---	---	1
2	---	---	---	0.480	0.615	1.13	0.378	0.459	0.116	---	---	---	2
3	---	---	---	0.472	0.667E	1.08	0.377	0.453	0.093	---	---	---	3
4	---	---	---	0.472	0.718	1.05	0.385	0.457	0.084	---	0.219	---	4
5	---	---	---	0.471	0.835	1.04	0.398	0.489	0.081	---	---	---	5
6	---	---	---	0.457	0.873	1.00	0.391	0.513E	0.094	---	---	---	6
7	---	---	---	0.457	0.924	1.02	0.400	0.558E	0.089	---	---	---	7
8	---	---	---	0.450	0.777	0.918	0.377	0.602	0.096	---	---	---	8
9	---	---	---	0.426	0.822E	0.875	0.375	0.580	0.084	---	---	---	9
10	---	---	---	0.431	0.887	0.835	0.374	0.512	0.093E	---	---	---	10
11	---	---	---	0.435	0.851	0.779	0.379	0.511	0.093E	---	---	---	11
12	---	---	---	0.440	0.857	0.751	0.370	0.501	0.092E	---	---	---	12
13	---	---	---	0.453	0.871	0.715	0.371E	0.493	0.091	---	---	---	13
14	---	---	---	0.475	0.880E	0.699	0.372E	0.583	0.084	---	---	---	14
15	---	---	---	0.449	0.927	0.686	0.378	0.438	0.105	---	---	---	15
16	---	---	---	0.452	0.984	0.658	0.520	0.394	---	---	---	---	16
17	---	---	---	0.442	0.987	0.621	0.578	0.373	---	---	---	---	17
18	---	---	---	0.422	0.952	0.590	0.572	0.343	---	---	---	---	18
19	---	---	---	0.405	0.931	0.561	0.581	0.317	---	---	---	---	19
20	---	---	---	0.415	0.916	0.527	0.574	0.288	---	---	---	---	20
21	---	---	---	0.413E	0.918	0.495	0.572	0.275	---	---	---	---	21
22	---	---	---	0.410	0.885	0.459	0.561	0.264E	---	---	---	---	22
23	---	---	---	0.367	0.976E	0.433	0.570	0.252E	---	---	---	---	23
24	---	---	---	0.592	1.07	0.426	0.570	0.240E	---	---	---	---	24
25	---	---	---	0.600	1.08	0.418	0.570	0.228E	---	---	---	---	25
26	---	---	---	0.631E	1.17	0.422	0.578	0.216E	---	---	---	---	26
27	---	---	---	0.661	1.20	0.424	0.428	0.205E	---	---	---	---	27
28	---	---	---	0.632	1.22	0.410	0.427	0.193E	---	---	---	---	28
29	---		---	0.630	1.22	0.413	0.424	0.181E	---	---	---	---	29
30	---		---	0.599	1.21	0.401	0.428	0.160E	0.146	---	---	---	30
31	---		---		1.20		0.433	0.157		---		---	31
TOTAL	---	---	---	14.557	29.186	21.010	14.080	11.702	---	---	---	---	TOTAL
MEAN	---	---	---	0.485	0.942	0.700	0.455	0.377	---	---	---	---	MEAN
MAX	---	---	---	0.661	1.22	1.18	0.581	0.602	---	---	---	---	MAX
MIN	---	---	---	0.367	0.583	0.401	0.370	0.157	---	---	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 1.22 ON MAY 28

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 30 27 N
LONG 114 07 37 W
DRAINAGE AREA, 144 km²

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 220
FEB	---	AUG	1 010
MAR	---	SEP	---
APR	1 260	OCT	---
MAY	2 520	NOV	---
JUN	1 820	DEC	---

TODD CREEK NEAR HIGHWAY NO.22 - STATION NO. 05AA905

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.600E	0.389	0.171	1.63	0.466	0.154	0.120	0.288	---	---	1
2	---	---	0.600E	0.424	0.187	1.85	0.403	0.146	0.085	0.239	---	---	2
3	---	---	0.600E	0.365	0.136	1.69	0.389	0.142	0.090	0.308	---	---	3
4	---	---	0.558A	0.346	0.826	1.61	0.438	0.134	0.097	0.278	---	---	4
5	---	---	0.513	0.340	1.26	1.60	0.437	0.145	0.151	0.243	---	---	5
6	---	---	0.442	0.328	1.42	1.47	0.376	0.140	0.120	0.214	---	---	6
7	---	---	0.522	0.311	0.803	1.33	0.348	0.127	0.114	0.217	---	---	7
8	---	---	0.844	0.312	0.575	1.33	0.362	0.115	0.122	0.280	---	---	8
9	---	---	0.478	0.333	0.522	1.35	0.307	0.104	0.156	0.860	---	---	9
10	---	---	0.340	0.356	0.533	1.06	0.319	0.121	0.132	0.273	---	---	10
11	---	---	0.278	0.380	0.514	0.930	0.294	0.125	0.112	0.246	---	---	11
12	---	---	0.251	0.339	0.422	0.866	0.287	0.111	0.131	0.246	---	---	12
13	---	---	0.240	0.344	0.487	0.832	0.264	0.133	0.142	0.242	---	---	13
14	---	---	0.217	0.338	0.455	0.811	0.251	0.100	0.188	0.240	---	---	14
15	---	---	0.186	0.455	0.676	0.932	0.220	0.092	0.172	0.225	---	---	15
16	---	---	0.183	0.603	1.02	0.775	0.286	0.088	0.184	0.225	---	---	16
17	---	---	0.182	0.487	0.817	0.721	0.472	0.088	0.153	0.215	---	---	17
18	---	---	0.185	0.361	0.588	0.743	0.200	0.088	0.238	0.210	---	---	18
19	---	---	0.200	0.337	0.531	0.674	0.259	0.067	0.298	0.205	---	---	19
20	---	---	0.218	0.343	0.513	0.637	0.235	0.084	0.309	0.203	---	---	20
21	---	---	0.330	0.372	1.45	0.632	0.225	0.077	0.267	0.206	---	---	21
22	---	---	0.310	0.538	1.28	0.580	0.205	0.075	0.178	0.202	---	---	22
23	---	---	0.237	0.614	1.06	0.551	0.201	0.063	0.168	0.200	---	---	23
24	---	---	0.228	0.510	1.00	0.524	0.254	0.056	0.164	0.192	---	---	24
25	---	---	0.214	0.565	0.966	0.500	0.264	0.086	0.242	0.188	---	---	25
26	---	---	0.181	0.740	1.13	0.472	0.224	0.077	0.477	0.195	---	---	26
27	---	---	0.236	0.638	1.30	0.473	0.210	0.062	0.381	0.188	---	---	27
28	---	---	0.425	0.442	1.55	0.470	0.185	0.045	0.264	0.221A	---	---	28
29	---		0.752	0.290	1.82	0.567	0.163	0.063	0.218	0.200E	---	---	29
30	---		0.555	0.220	1.98	0.482	0.186	0.076	0.201	0.200E	---	---	30
31	---		0.477		2.02		0.186	0.168		0.200E		---	31
TOTAL	---	---	11.003	12.453	27.056	28.442	8.086	3.204	5.604	7.804	---	---	TOTAL
MEAN	---	---	0.374	0.415	0.902	0.948	0.280	0.103	0.187	0.252	---	---	MEAN
MAX	---	---	0.844	0.740	2.02	1.98	0.472	0.168	0.477	0.860	---	---	MAX
MIN	---	---	0.181	0.220	0.136	0.470	0.186	0.045	0.085	0.188	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.446
MAXIMUM DAILY, 2.02 ON MAY 31
MINIMUM DAILY, 0.045 ON AUG 28
MAXIMUM INSTANTANEOUS,
8.14 AT 17:10 MST ON OCT 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 45 00 N
LONG 114 16 00 W
DRAINAGE AREA, 73.0 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	777
FEB	---	AUG	277
MAR	1 000	SEP	484
APR	1 080	OCT	674
MAY	2 420	NOV	---
JUN	2 460	DEC	---

TOTAL DISCHARGE, 7 090 dam³

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TOMAHAWK CREEK NEAR TOMAHAWK - STATION NO. 05BB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.62 B	0.2410	0.300	0.054	0.022	0.506	0.040	0.470	0.140	---	1
2	---	---	2.17 B	0.2320	0.349	0.035	0.020	0.467	0.045	0.566	0.120	---	2
3	---	---	1.60 B	0.2440	0.330	0.030	0.020	0.391	0.049	0.470	0.105	---	3
4	---	---	1.66 B	0.2400	0.301	0.073	0.044	0.355	0.056	0.622	0.148	---	4
5	---	---	0.7980	0.2780	0.250	0.030	0.057	0.702	0.051	0.560	0.1350	---	5
6	---	---	0.6960	0.2780	0.306	0.012	0.056	0.759	0.070	0.296	---	---	6
7	---	---	0.5600	0.2230	0.372	0.020	0.037	0.451	0.065	0.333	---	---	7
8	---	---	0.4000	0.203	0.210	0.055	0.075	0.316	0.048	0.333	---	---	8
9	---	---	0.2209	0.203	0.264	0.030	0.027	0.323	0.048	0.299	---	---	9
10	---	---	0.1809	0.204	0.309	0.024	0.050	0.256	0.070	0.256	---	---	10
11	---	---	0.1339	0.174	0.468	0.032	0.056	0.235	0.087	0.211	---	---	11
12	---	---	0.2599	0.172	0.293	0.051	0.106	0.216	0.214	0.204	---	---	12
13	---	---	0.1250	0.134	0.298	0.043	0.254	0.176	0.120	0.202	---	---	13
14	---	---	0.1430	0.113	0.471	0.017	0.295	0.152	0.068	0.187	---	---	14
15	---	---	0.2618	0.105	1.12	0.003	0.180	0.135	0.072	0.184	---	---	15
16	---	---	0.2020	0.105	0.635	0.118	1.93	0.118	0.085	0.155	---	---	16
17	---	---	0.3640	0.194	0.508	0.076	0.53	0.103	0.094	0.175	---	---	17
18	---	---	0.3500	0.643	0.427	0.043	21.1	0.068	0.070	0.176	---	---	18
19	---	---	0.5620	0.476	0.345	0.053	14.5	0.084	0.081	0.199	---	---	19
20	---	---	1.16 B	0.473	0.291	0.073	7.50	0.093	0.066	0.176	---	---	20
21	---	---	0.6760	0.464	0.286	0.052	3.82	0.080	0.080	0.187	---	---	21
22	---	---	0.5230	0.545	0.535	0.021	2.26	0.068	0.124	0.183	---	---	22
23	---	---	0.4670	0.545	0.459	0.023	1.83	0.060	0.073	0.203	---	---	23
24	---	---	0.3700	0.440	0.254	0.028	1.35	0.056	0.086	0.190	---	---	24
25	---	---	0.2650	0.414	0.292	0.040	1.56	0.061	0.173	0.199	---	---	25
26	---	0.0440	0.2400	0.486	0.297	0.029	1.20	0.087	0.227	0.205	---	---	26
27	---	0.0230	0.1360	0.394	0.213	0.018	2.03	0.086	0.417	0.238	---	---	27
28	---	0.3130	0.6550	0.374	0.156	0.006	3.52	0.047	0.474	0.236	---	---	28
29	---	---	0.5690	0.295	0.131	0.004	1.53	0.060	0.401	0.231	---	---	29
30	---	---	0.5200	0.397	0.099	0.021	1.33	0.045	0.371	0.199	---	---	30
31	---	---	0.5100		0.096		0.885	0.051		0.178	---	---	31
TOTAL	---	---	18.026	8.536	10.898	1.180	78.617	6.764	4.663	8.452	---	---	TOTAL
MEAN	---	---	0.614	0.318	0.352	0.039	2.67	0.218	0.135	0.273	---	---	MEAN
MAX	---	---	2.17	0.643	1.12	0.118	21.1	0.759	0.474	0.623	---	---	MAX
MIN	---	---	0.125	0.105	0.096	0.004	0.020	0.040	0.045	0.155	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.557
MAXIMUM DAILY, 21.1 ON JUL 16
MINIMUM DAILY, 0.004 ON JUN 29
MAXIMUM INSTANTANEOUS,
23.0 AT 05:47 MST ON JUL 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 24 21 N
LONG 114 45 41 W
DRAINAGE AREA, 105 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6 820
FEB	---	AUG	904
MAR	1 640	SEP	391
APR	920	OCT	930
MAY	962	NOV	---
JUN	103	DEC	---

TOTAL DISCHARGE, 11 800 dam³

TOUGH CREEK NEAR BEAVER - STATION NO. 05AE031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.5700	0.606	0.548	0.241	0.115	0.045	0.016	0.340	---	---	1
2	---	---	0.5700	0.587	0.587	0.321	0.096	0.028	0.016	0.384	---	---	2
3	---	---	0.5700	0.566	0.616	0.307	0.083	0.036	0.016	0.295	---	---	3
4	---	---	0.5700	0.570	1.22	0.316	0.068	0.051	0.022	0.340	---	---	4
5	---	---	0.5704	0.569	1.29	0.299	0.147	0.045	0.032	0.392	---	---	5
6	---	---	0.653	0.575	1.27	0.403	0.124	0.048	0.047	0.384	---	---	6
7	---	---	0.654	0.541	1.09	0.406	0.130	0.045	0.045	0.334	---	---	7
8	---	---	2.756	0.542	0.992	0.378	0.132	0.040	0.050	0.401	---	---	8
9	---	---	0.669	0.560	0.907	0.413	0.126	0.035	0.181	0.396	---	---	9
10	---	---	0.603	0.616	0.835	0.343	0.105	0.037	0.161	0.377	---	---	10
11	---	---	0.561	0.598	0.772	0.295	0.090	0.032	0.061	0.390	---	---	11
12	---	---	0.563	0.602	0.760	0.276	0.084	0.026	0.078	0.323	---	---	12
13	---	---	0.558	0.578	0.696	0.267	0.075	0.023	0.060	0.311	---	---	13
14	---	---	0.544	0.581	0.716	0.248	0.073	0.028	0.088	0.299	---	---	14
15	---	---	0.520	0.607	0.739	0.284	0.067	0.023	0.090	0.278	---	---	15
16	---	---	0.523	0.646	0.661	0.261	0.077	0.018	0.084	0.258	---	---	16
17	---	---	0.509	0.567	0.886	0.220	0.115	0.015	0.080	0.247	---	---	17
18	---	---	0.481	0.517	0.975	0.209	0.080	0.016	0.201	0.236	---	---	18
19	---	---	0.513	0.493	0.901	0.158	0.073	0.014	0.205	0.223	---	---	19
20	---	---	0.535	0.492	0.818	0.182	0.067	0.013	0.174	0.204	---	---	20
21	---	---	0.610	0.532	0.861	0.181	0.072	0.015	0.170	0.204	---	---	21
22	---	---	0.611	0.605	0.780	0.163	0.060	0.014	0.152	0.203	---	---	22
23	---	---	0.567	0.645	0.710	0.162	0.057	0.013	0.127	0.200	---	---	23
24	---	---	0.558	0.614	0.668	0.165	0.058	0.013	0.118	0.205	---	---	24
25	---	---	0.521	0.638	0.607	0.133	0.056	0.014	0.104	0.203	---	---	25
26	---	---	0.530	0.638	0.561	0.120	0.061	0.014	0.202	0.183	---	---	26
27	---	---	0.606	0.624	0.516	0.124	0.062	0.015	0.230	0.177	---	---	27
28	---	---	0.787	0.618	0.481	0.117	0.058	0.013	0.181	0.174	---	---	28
29	---	---	0.814	0.587	0.460	0.183	0.055	0.012	0.164	0.200	---	---	29
30	---	---	0.797	0.560	0.411	0.163	0.050	0.015	0.174	0.200	---	---	30
31	---	---	0.761		0.366		0.047	0.015		0.200	---	---	31
TOTAL	---	---	18.631	17.279	23.020	7.524	2.009	0.780	3.561	6.612	---	---	TOTAL
MEAN	---	---	0.601	0.576	0.772	0.251	0.084	0.025	0.118	0.276	---	---	MEAN
MAX	---	---	0.814	0.646	1.29	0.403	0.147	0.051	0.292	0.401	---	---	MAX
MIN	---	---	0.481	0.492	0.366	0.117	0.047	0.012	0.016	0.177	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.255
MAXIMUM DAILY, 1.29 ON MAY 5
MINIMUM DAILY, 0.012 ON AUG 20

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 04 00 N
LONG 113 32 00 W
DRAINAGE AREA, 20.6 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	225
FEB	---	AUG	67.6
MAR	1 010	SEP	206
APR	1 500	OCT	704
MAY	2 070	NOV	---
JUN	650	DEC	---

TOTAL DISCHARGE, 6 000 dam³

TRAP CREEK NEAR LONGVIEW - STATION 02 OSBL027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.800	0.68	1.84	0.831	1.07	1.80	1.07	---	1
2	---	---	---	---	0.826	0.66	1.62	0.806	0.974	1.77	1.05	---	2
3	---	---	---	---	0.802	0.63	1.60	0.826	0.885	1.74	1.04	---	3
4	---	---	---	---	1.19	0.68	1.61	0.827	0.904	1.77	1.05	---	4
5	---	---	---	---	1.26	0.90	1.38	0.866	0.933	2.12	1.05A	---	5
6	---	---	---	---	1.20	0.85	1.27	0.833	0.867	2.63	---	---	6
7	---	---	---	---	1.21	0.78	1.21	0.782	0.855	2.72	---	---	7
8	---	---	---	---	1.21	0.58	1.19	0.785	0.852	2.55	---	---	8
9	---	---	---	---	1.28	0.55	1.18	0.802	0.835	2.63	---	---	9
10	---	---	---	---	1.79	0.68	1.12	0.785	0.944	2.32	---	---	10
11	---	---	---	---	1.87	2.72	1.08	0.778	1.01	2.17	---	---	11
12	---	---	---	---	1.80	2.26	1.08	0.782	0.980	2.06	---	---	12
13	---	---	---	---	1.79	2.05	1.02	1.00	0.979	1.94	---	---	13
14	---	---	---	---	1.83	2.08	0.984	0.880	0.958	1.84	---	---	14
15	---	---	---	---	1.86	2.02	1.03	0.925	0.967	1.75	---	---	15
16	---	---	---	---	1.90	2.70	1.11	0.878	1.01	1.68	---	---	16
17	---	---	---	---	1.99	2.48	1.27	0.850	1.07	1.82	---	---	17
18	---	---	---	---	2.38	2.40	1.12	0.806	1.12	1.94	---	---	18
19	---	---	---	---	3.78	2.20	1.07	0.794	1.15	1.65	---	---	19
20	---	---	---	---	4.74	2.12	1.03	0.766	1.16	1.39	---	---	20
21	---	---	---	---	5.58	1.97	1.00	0.743	1.18	1.33	---	---	21
22	---	---	---	---	5.17	1.87	0.990	0.719	1.16	1.30	---	---	22
23	---	---	---	---	4.22	1.79	1.01	0.704	1.16	1.25	---	---	23
24	---	---	---	---	4.00	1.79	0.956	0.689	1.19	1.22	---	---	24
25	---	---	---	---	5.50	1.80	0.934	0.693	1.59	1.18	---	---	25
26	---	---	---	---	8.67	1.81	1.00	0.663	1.85	1.15	---	---	26
27	---	---	---	---	8.84	1.82	1.04	0.636	1.75	1.14	---	---	27
28	---	---	---	---	8.02	1.80	0.938	0.615	1.81	1.12	---	---	28
29	---	---	---	---	8.09	1.88	0.939	0.603	1.56	1.08	---	---	29
30	---	---	---	0.8736	7.23	1.83	0.885	0.854	1.62	1.11	---	---	30
31	---		---		6.56		0.853	1.18		1.04			31
TOTAL	---	---	---	---	108.281	82.78	38.700	24.822	36.426	52.25	---	---	TOTAL
MEAN	---	---	---	---	3.49	2.00	1.12	0.801	1.15	1.69	---	---	MEAN
MAX	---	---	---	---	8.84	5.00	1.84	1.18	1.85	2.72	---	---	MAX
MIN	---	---	---	---	0.800	1.68	0.853	0.603	0.855	1.04	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 1.89
MAXIMUM DAILY, 8.84 ON MAY 27
MINIMUM DAILY, 0.603 ON AUG 29
MAXIMUM INSTANTANEOUS,
10.5 AT 21 20 HST ON MAY 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 20 36 N
LONG 119 25 26 W
DRAINAGE AREA, 737 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 000
FEB	---	AUG	2 140
MAR	---	SEP	2 970
APR	---	OCT	4 510
MAY	9 350	NOV	---
JUN	6 020	DEC	---

TOTAL DISCHARGE, 30 000 dam³

TROUT CREEK NEAR CRANUM - STATION 00 OSAB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SE	OCT	NOV	DEC	DAY
1	---	---	0.727	0.283	0.246	0.774	0.620	0.095	0.109	0.145	0.163	---	1
2	---	---	0.690	0.239	0.220	0.729	0.393	0.093	0.093	0.195	0.167	---	2
3	---	---	0.540	0.224	0.227	0.727	0.295	0.094	0.070	0.175	0.134A	---	3
4	---	---	0.693	0.218	0.303	0.725	0.270	0.100	0.052	0.157	---	---	4
5	---	---	0.603	0.211	0.671	0.743	0.389	0.100	0.102	0.145	---	---	5
6	---	---	0.650	0.202	0.596	0.750	0.366	0.060	0.129	0.126	---	---	6
7	---	---	0.620	0.201	0.611	0.772	0.340	0.095	0.133	0.129	---	---	7
8	---	---	0.661	0.202	0.633	0.763	0.310	0.052	0.084	0.140	---	---	8
9	---	---	0.582	0.195	0.583	0.748	0.290	0.101	0.088	0.137	---	---	9
10	---	---	0.567	0.193	0.559	0.695	0.295	0.127	0.094	0.139	---	---	10
11	---	---	0.582	0.228	0.620	0.658	0.220	0.126	0.116	0.136	---	---	11
12	---	---	0.595	0.202	0.620	0.638	0.210	0.116	0.155	0.137	---	---	12
13	---	---	0.583	0.209	0.618	0.618	0.199	0.118	0.167	0.126	---	---	13
14	---	---	0.578	0.200	0.613	0.610	0.181	0.118	0.172	0.126	---	---	14
15	---	---	0.574	0.214	0.602	0.624	0.163	0.095	0.172	0.115	---	---	15
16	---	---	0.590	0.232	0.588	0.599	0.184	0.089	0.188	0.118	---	---	16
17	---	---	0.578	0.235	0.584	0.602	0.209	0.048	0.184	0.119	---	---	17
18	---	---	0.578	0.209	0.560	0.570	0.277	0.032	0.168	0.123	---	---	18
19	---	---	0.566	0.271	0.597	0.547	0.218	0.017	0.167	0.114	---	---	19
20	---	---	0.589	0.232	0.583	0.616	0.188	0.015	0.184	0.099	---	---	20
21	---	---	0.569	0.230	0.594	0.605	0.199	0.013	0.178	0.094	---	---	21
22	---	---	0.567	0.232	0.560	0.611	0.187	0.009	0.153	0.095	---	---	22
23	---	---	0.563	0.233	0.611	0.546	0.169	0.004	0.134	0.115	---	---	23
24	---	0.41 E	0.553	0.249	0.676	0.572	0.230	0	0.116	0.089	---	---	24
25	---	13.0 E	0.549	0.263	0.668	0.571	0.302	0	0.164	0.101	---	---	25
26	---	2.44	0.518	0.249	0.675	0.542	0.210	0	0.260	0.101	---	---	26
27	---	0.598	0.534	0.238	0.651	0.520	0.239	0	0.300	0.091	---	---	27
28	---	0.890	0.531	0.243	0.623	0.520	0.264	0	0.236	0.094	---	---	28
29	---		0.590	0.232	0.597	0.593	0.189	0	0.191	0.101	---	---	29
30	---		0.577	0.260	0.650	0.601	0.133	0.001	0.159	0.124	---	---	30
31	---		0.562		0.619		0.097	0.083		0.124			31
TOTAL	---	---	18.519	7.031	18.382	17.167	7.318	1.734	4.426	3.845	---	---	TOTAL
MEAN	---	---	0.339	0.267	0.593	0.572	0.235	0.058	0.148	0.124	---	---	MEAN
MAX	---	---	0.727	0.333	0.922	0.776	0.426	0.127	0.300	0.195	---	---	MAX
MIN	---	---	0.210	0.193	0.224	0.520	0.097	0	0.052	0.089	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.289
MAXIMUM DAILY, 0.922 ON MAY 20
MINIMUM DAILY, 0 ON AUG 24
MAXIMUM INSTANTANEOUS,
24.08 AT 23 00 HST ON FEB 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 58 35 N
LONG 113 41 07 W
DRAINAGE AREA, 640 km²
A - MANUAL GAUGE
E - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	632
FEB	---	AUG	185
MAR	909	SEP	382
APR	841	OCT	332
MAY	1 590	NOV	---
JUN	1 480	DEC	---

TOTAL DISCHARGE, 6 120 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS DERIVED FROM A PROJECTED LOGARITHMIC PLOT

TWELVE MILE COULEE SPILLWAY NEAR CARSELAND - STATION NO. 05BM009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.001	0.038	0.050	0.044	0.065	0.612	0.003	---	1
2	---	---	---	---	0.001	0.038	0.043	0.041	0.060	0.630	0.004	---	2
3	---	---	---	---	0	0.038	0.042	0.039	0.053	0.624	C.003	---	3
4	---	---	---	---	0.007	0.040	0.045	0.041	0.044	0.604	0.0063	---	4
5	---	---	---	---	0.017	0.041	0.053	0.044	0.037	0.585	---	---	5
6	---	---	---	---	0.023	0.058	0.042	0.044	0.017	0.572	---	---	6
7	---	---	---	---	0.018	0.050	0.040	0.043	0.014	0.567	---	---	7
8	---	---	---	---	0.008	0.047	0.035	0.041	0.014	0.565	---	---	8
9	---	---	---	---	0.007	0.041	0.033	0.048	0.018	0.330	---	---	9
10	---	---	---	---	0.011	0.027	0.033	0.042	0.013	0.116	---	---	10
11	---	---	---	---	0.032	0.037	0.036	0.044	0.013	0.045	---	---	11
12	---	---	---	---	0.008	0.037	0.043	0.047	0.019	0.023	---	---	12
13	---	---	---	---	0.013	0.037	0.071	0.047	0.016	0.018	---	---	13
14	---	---	---	---	0.191	0.037	0.045	0.043	0.012	0.013	---	---	14
15	---	---	---	---	0.2768	0.043	0.046	0.043	0.009	0.007	---	---	15
16	---	---	---	---	0.1738	0.043	0.047	0.045	0.088	0.006	---	---	16
17	---	---	---	---	0.0488	0.060	0.054	0.042	0.028	0.010	---	---	17
18	---	---	---	---	0.0448	0.045	0.057	0.042	0.014	0.018	---	---	18
19	---	---	---	---	0.0388	0.043	0.038	0.038	0.011	0.017	---	---	19
20	---	---	---	---	0.0398	0.042	0.038	0.047	0.011	0.012	---	---	20
21	---	---	---	---	0.0229	0.039	0.037	0.050	0.009	0.011	---	---	21
22	---	---	---	---	0.021	0.039	0.038	0.049	0.008	0.020	---	---	22
23	---	---	---	---	0.022	0.034	0.042	0.054	0.008	0.036	---	---	23
24	---	---	---	---	0.008	0.039	0.044	0.057	0.007	0.022	---	---	24
25	---	---	---	0.0026	0.005	0.044	0.046	0.060	0.283	0.022	---	---	25
26	---	---	---	0.002	0.004	0.043	0.048	0.055	0.838	0.022	---	---	26
27	---	---	---	0.003	0.010	0.045	0.050	0.051	0.774	0.021	---	---	27
28	---	---	---	0.002	0.045	0.047	0.058	0.054	0.674	0.022	---	---	28
29	---		---	0.002	0.037	0.108	0.056	0.053	0.611	0.022	---	---	29
30	---		---	0.002	0.035	0.064	0.052	0.050	0.604	0.020	---	---	30
31	---		---		0.035		0.045	0.094		0.004		---	31
TOTAL	---	---	---	---	1.252	1.318	1.447	1.521	4.305	5.579	---	---	TOTAL
MEAN	---	---	---	---	0.040	0.044	0.047	0.049	0.144	0.180	---	---	MEAN
MAX	---	---	---	---	0.276	0.108	0.071	0.094	0.838	0.630	---	---	MAX
MIN	---	---	---	---	0	0.027	0.033	0.038	0.007	0.004	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.084
MAXIMUM DAILY, 0.826 ON SEP 26
MINIMUM DAILY, 0 ON MAY 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 59 25 N
LONG 113 34 25 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	125
FEB	---	AUG	131
MAR	---	SEP	372
APR	---	OCT	482
MAY	108	NOV	---
JUN	114	DEC	---

TOTAL DISCHARGE, 1 330 dam³

TWELVE MILE CREEK NEAR CECIL - STATION NO. 05BN002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.012	0.820	5.75	7.50	3.47	6.30	0.0148	---	1
2	---	---	---	---	0.009	1.30	5.94	7.01	3.19	5.83	0.0158	---	2
3	---	---	---	---	0.007	1.85	5.70	6.72	2.79	5.45	0.0158	---	3
4	---	---	---	---	0.015	2.18	5.58	6.75	2.64	5.21	0.0148	---	4
5	---	---	---	---	0.019	2.89	5.20	7.15	2.19	4.39	---	---	5
6	---	---	---	---	0.015	3.42	5.52	7.21	1.76	3.67	---	---	6
7	---	---	---	---	0.012	3.91	5.13	7.15	1.41	3.45	---	---	7
8	---	---	---	---	0.012	4.71	5.08	7.24	1.24	2.89	---	---	8
9	---	---	---	---	0.012	5.31	5.28	6.94	1.16	2.49	---	---	9
10	---	---	---	---	0.011	5.59	5.53	6.69	1.02	2.37	---	---	10
11	---	---	---	---	0.012	C.11	5.38	6.51	0.886	2.00	---	---	11
12	---	---	---	---	0.008	6.11	5.30	6.58	0.882	1.89	---	---	12
13	---	---	---	---	0.040	5.86	5.22	7.00	0.806	1.72	---	---	13
14	---	---	---	---	0.068	5.82	5.44	5.36	0.740	1.42	---	---	14
15	---	---	---	---	0.228	5.28	5.89	5.25	0.495	1.21	---	---	15
16	---	---	---	---	0.191	5.55	5.34	5.29	0.072	1.06	---	---	16
17	---	---	---	---	0.201	6.51	5.49	5.12	0.071	0.937	---	---	17
18	---	---	---	---	0.232	8.09	7.38	5.09	0.066	0.864	---	---	18
19	---	---	---	---	0.286	7.00	6.76	5.65	0.074	0.760	---	---	19
20	---	---	---	---	0.300	7.53	6.32	5.73	0.089	0.651	---	---	20
21	---	---	---	---	0.235	6.44	6.25	3.73	0.081	0.308	---	---	21
22	---	---	---	0.0178	0.394	6.80	6.27	3.83	0.067	0.014	---	---	22
23	---	---	---	0.018	0.400	6.82	6.45	3.60	0.612	0.010	---	---	23
24	---	---	---	0.012	0.313	6.33	6.14	3.51	6.01	0.0118	---	---	24
25	---	---	---	0.011	0.186	6.34	3.50	3.50	6.87	0.0098	---	---	25
26	---	---	---	0.012	0.196	6.42	2.85	3.35	7.07	0.0108	---	---	26
27	---	---	---	0.010	0.296	6.46	4.71	3.93	7.26	0.0118	---	---	27
28	---	---	---	0.009	0.330	6.19	6.49	3.96	7.49	0.0118	---	---	28
29	---		---	0.009	0.383	6.37	10.2	3.36	7.26	0.0128	---	---	29
30	---		---	0.009	0.513	6.46	8.61	0.123	6.85	0.0158	---	---	30
31	---		---		0.734		8.09	2.53		0.0159		---	31
TOTAL	---	---	---	---	5.782	186.230	183.94	180.463	73.771	55.289	---	---	TOTAL
MEAN	---	---	---	---	0.186	6.27	6.09	5.18	2.46	1.78	---	---	MEAN
MAX	---	---	---	---	0.734	8.09	10.2	7.50	7.49	6.30	---	---	MAX
MIN	---	---	---	---	0.007	0.820	2.85	0.123	0.066	0.009	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.49
MAXIMUM DAILY, 10.2 ON JUL 29
MINIMUM DAILY, 0.007 ON MAY 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 09 00 N
LONG 111 40 00 W
DRAINAGE AREA, 3 780 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	16 300
FEB	---	AUG	13 800
MAR	---	SEP	6 370
APR	---	OCT	4 780
MAY	497	NOV	---
JUN	13 700	DEC	---

TOTAL DISCHARGE, 55 500 dam³

TWIN CREEK NEAR SEEBE - STATION NO 05BF016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.009	0.007	0.005	0.004	0.005	0.490	0.100	0.078	0.027	0.034	0.031	0.018	1
2	0.009	0.007	0.005	0.004	0.005	0.475	0.097	0.074	0.027	0.033	0.036	0.017	2
3	0.009	0.007	0.004	0.004	0.009	0.390	0.090	0.070	0.026	0.033	0.036	0.017	3
4	0.008	0.007	0.004	0.004	0.011	0.328	0.093	0.065	0.027	0.034	0.035	0.016	4
5	0.008	0.007	0.004	0.004	0.010	0.295	0.088	0.064	0.027	0.036	0.034	0.016	5
6	0.008	0.007	0.004	0.004	0.009	0.278	0.084	0.060	0.026	0.032	0.032	0.016	6
7	0.008	0.007	0.004	0.004	0.010	0.277	0.083	0.056	0.027	0.040	0.029	0.015	7
8	0.885	0.007	0.004	0.005	0.011	0.284	0.081	0.054	0.027	0.047	0.028	0.015	8
9	0.009	0.007	0.004	0.005	0.012	0.280	0.078	0.052	0.027	0.051	0.025	0.015	9
10	0.009	0.006	0.004	0.005	0.012	0.277	0.074	0.049	0.026	0.051	0.024	0.015	10
11	0.008	0.006	0.004	0.005	0.011	0.282	0.070	0.048	0.026	0.048	0.025	0.014	11
12	0.008	0.006	0.004	0.005	0.010	0.285	0.067	0.045	0.026	0.050	0.024	0.014	12
13	0.008	0.006	0.004	0.005	0.010	0.236	0.064	0.043	0.025	0.049	0.023	0.014	13
14	0.008	0.005	0.004	0.005	0.009	0.209	0.061	0.044	0.026	0.048	0.021	0.014	14
15	0.008	0.005	0.004	0.005	0.009	0.223	0.060	0.047	0.027	0.045	0.021	0.014	15
16	0.008	0.005	0.004	0.005	0.010	0.222	0.059	0.048	0.026	0.044	0.022	0.014	16
17	0.008	0.005	0.004	0.005	0.012	0.204	0.060	0.045	0.026	0.043	0.021	0.014	17
18	0.008	0.005	0.004	0.005	0.018	0.214	0.070	0.041	0.026	0.042	0.022	0.013	18
19	0.008	0.005	0.004	0.005	0.022	0.207	0.073	0.039	0.026	0.041	0.022	0.013	19
20	0.008	0.005	0.004	0.005	0.022	0.170	0.079	0.037	0.026	0.040	0.022	0.013	20
21	0.008	0.005	0.004	0.007	0.047	0.155	0.084	0.035	0.023	0.039	0.021	0.012	21
22	0.008	0.005	0.004	0.011	0.046	0.140	0.086	0.034	0.023	0.037	0.021	0.012	22
23	0.008	0.005	0.004	0.010	0.039	0.135	0.086	0.033	0.023	0.036	0.021	0.012	23
24	0.008	0.005	0.004	0.009	0.040	0.138	0.082	0.031	0.022	0.035	0.020	0.012	24
25	0.008	0.006	0.004	0.008	0.065	0.135	0.079	0.030	0.024	0.035	0.020	0.011	25
26	0.008	0.005	0.004	0.007	0.153	0.129	0.077	0.029	0.024	0.035	0.020	0.011	26
27	0.008	0.005	0.004	0.007	0.305	0.120	0.075	0.028	0.024	0.037	0.019	0.011	27
28	0.008	0.005	0.004	0.006	0.437	0.113	0.073	0.027	0.023	0.035	0.018	0.011	28
29	0.007		0.004	0.006	0.483	0.112	0.078	0.026	0.023	0.034	0.018	0.011	29
30	0.007		0.004	0.005	0.499	0.107	0.080	0.030	0.024	0.034	0.019	0.011	30
31	0.007		0.004		0.492		0.061	0.028		0.029		0.011	31
TOTAL	0.251	0.184	0.126	0.170	2.856	6.892	2.429	1.391	0.782	1.174	0.731	0.422	TOTAL
MEAN	0.008	0.006	0.004	0.006	0.092	0.230	0.078	0.045	0.025	0.038	0.024	0.014	MEAN
MAX	0.009	0.007	0.005	0.011	0.499	0.490	0.100	0.078	0.027	0.051	0.036	0.018	MAX
MIN	0.007	0.005	0.004	0.004	0.005	0.107	0.059	0.026	0.022	0.023	0.018	0.011	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.048
MAXIMUM DAILY, 0.499 ON MAY 29
MINIMUM DAILY, 0.004 ON MAR 3
MAXIMUM INSTANTANEOUS,
0.523 AT 00 04 MST ON MAY 31

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 33 N
LONG 115 10 19 W
DRAINAGE AREA, 2.64 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	21.7	JUL	210
FEB	14.2	AUG	120
MAR	10.8	SEP	65.6
APR	14.7	OCT	101
MAY	268	NOV	63.2
JUN	599	DEC	28.5

TOTAL DISCHARGE, 1 800 dam³

UNITED IRRIGATION DISTRICT CANAL NEAR HILL SPRING - STATION NO 05AD013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	0	1.94	3.16	2.58	1.31	0.604	0	---	1
2	---	---	---	0	0	2.16	3.21	2.60	1.61	0.578	0	---	2
3	---	---	---	0	0	2.45	3.20	2.62	1.74	0.544	0	---	3
4	---	---	---	0	0	3.11	3.19	2.72	1.78	0.517	0	---	4
5	---	---	---	0	0	3.00	3.15	2.76	1.81	0.506	0A	---	5
6	---	---	---	0.064	0	2.62	3.06	2.77	1.84	0.483	0E	---	6
7	---	---	---	0.446	0	1.99	3.03	2.77	1.84	0.462	0E	---	7
8	---	---	---	0.360	0	1.74	2.98	2.78	1.84	0.452	0E	---	8
9	---	---	---	0	0	1.38	2.97	2.79	1.16	0.987	0E	---	9
10	---	---	---	0	0	1.06	2.95	2.73	0.798	0.707	0E	---	10
11	---	---	---	0	0	1.01	2.93	2.80	0.851	0.016	0E	---	11
12	---	---	---	0	0	0.974	2.91	2.54	0.843	0.000	0E	---	12
13	---	---	---	0	0	0.830	2.98	2.63	0.936	0.002	0E	---	13
14	---	---	---	0	0	0.754	2.98	2.80	0.929	0	0E	---	14
15	---	---	---	0	0	0.751	3.02	2.78	0.926	0	0E	---	15
16	---	---	---	0	0	0.752	3.05	2.91	0.923	0	0E	---	16
17	---	---	---	0	0	1.07	3.11	2.72	0.921	0	0E	---	17
18	---	---	---	0.179	0	1.21	3.13	2.19	0.918	0	0E	---	18
19	---	---	---	0.428	0	1.21	3.06	1.43	0.911	0	0E	---	19
20	---	---	---	0.226	1.37	1.32	3.03	1.60	0.893	0	0E	---	20
21	---	---	---	0	1.60	1.29	3.12	1.61	0.885	0	0E	---	21
22	---	---	---	0	0.712	0.914	3.17	1.62	0.876	0	0E	---	22
23	---	---	---	0	0.903	1.23	3.12	1.39	0.874	0	0E	---	23
24	---	---	---	0	0.990	0.905A	3.10	1.31	0.876	0	0E	---	24
25	---	---	0A	0	1.01	2.85 A	3.03	1.13	0.731	0	0E	---	25
26	---	---	0	0.205	1.66	2.79	2.82	0.969	0.857	0	0E	---	26
27	---	---	0	0.212	1.89	2.86	2.88	0.980	0.843	0	0E	---	27
28	---	---	0	0	1.82	3.00	2.61	0.963	0.831	0	0E	---	28
29	---		0	0	2.16	3.07	2.57	1.02	0.618	0	0E	---	29
30	---		0	0	2.21	2.92	2.57	1.32	0.606	0	0E	---	30
31	---		0		2.11		2.55	1.32		0		---	31
TOTAL	---	---	---	2.120	17.615	53.261	82.50	64.072	32.330	5.984	0	---	TOTAL
MEAN	---	---	---	0.071	0.568	1.78	2.99	2.07	1.08	0.193	0	---	MEAN
MAX	---	---	---	0.446	2.21	3.11	3.21	2.80	1.84	0.987	0	---	MAX
MIN	---	---	---	0	0	0.751	2.55	0.963	0.606	0	0	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.10
MAXIMUM DAILY, 3.21 ON JUL 2
MINIMUM DAILY, 0 ON APR 1

SUMMARY FOR THE MONTHS APR TO NOV

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 13 04 N
LONG 113 37 55 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8 900
FEB	---	AUG	8 540
MAR	---	SEP	2 780
APR	183	OCT	517
MAY	1 520	NOV	0
JUN	4 600	DEC	---

TOTAL DISCHARGE, 23 200 dam³

UNNAMED CREEK NEAR FORT MACKAY - STATION NO. 07DA011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0400	0.0780	1.85	1.33	0.420E	0.573	0.142	0.216	0.1230	---	1
2	---	---	0.0400	0.0820	1.70	1.27	0.420E	0.495	0.161	0.224	0.1070	---	2
3	---	---	0.0400	0.0870	1.95	1.15	0.390E	0.659	0.163	0.248	---	---	3
4	---	---	0.0400	0.0930	1.77	1.05	0.356E	0.591	0.168	0.270	---	---	4
5	---	---	0.0410	0.0980	2.00	0.986	0.385E	0.582	0.174	0.275	---	---	5
6	---	---	0.0410	0.1060	2.23	0.939	0.470E	0.849	0.176	0.334	---	---	6
7	---	---	0.0410	0.1160	2.52	0.724	0.500E	0.693	0.155	0.404	---	---	7
8	---	---	0.0410	0.1240	2.76	0.679	0.510E	0.676	0.144	0.397	---	---	8
9	---	---	0.0420	0.1340	3.26	0.662	0.480E	0.689	0.151	0.395	---	---	9
10	---	---	0.0420	0.1490	3.82	0.667	0.450E	0.622	0.152	0.378	---	---	10
11	---	---	0.0430	0.1660	3.96	0.631	0.435E	0.584	0.157	0.364	---	---	11
12	---	---	0.0440	0.1870	3.25	0.520	0.440E	0.569	0.163	0.361	---	---	12
13	---	---	0.0440	0.2110	3.13	0.405	0.450E	0.519	0.155	0.371	---	---	13
14	---	---	0.0450	0.2450	3.13	0.390	0.475E	0.296	0.163	0.353	---	---	14
15	---	---	0.0460	0.2980	3.00	0.395	0.495E	0.270	0.164	0.361	---	---	15
16	---	---	0.0470	0.330	2.46	0.281	0.490E	0.263	0.172	0.350	---	---	16
17	---	---	0.0480	0.462	2.10	0.226	0.485E	0.211	0.170	0.331	---	---	17
18	---	---	0.0490	0.580	1.95	0.213	0.490E	0.183	0.171	0.325	---	---	18
19	---	---	0.0500	0.722	1.78	0.222	0.520E	0.260	0.175	0.315	---	---	19
20	---	---	0.0510	0.782	1.68	0.212A	0.550E	0.217	0.176	0.310	---	---	20
21	---	---	0.0520	0.922	1.87	1.16 E	0.600E	0.198	0.181	0.306	---	---	21
22	---	---	0.0540	0.937	1.79	1.46 E	0.660E	0.180	0.189	0.294	---	---	22
23	---	---	0.0550	0.929	2.83	1.42 E	0.710E	0.164	0.190	0.292	---	---	23
24	---	---	0.0570	0.945	3.40	1.26 E	0.735E	0.167	0.195	0.272	---	---	24
25	---	---	0.0590	0.950	3.48	1.02 E	0.740E	0.172	0.206	0.292	---	---	25
26	---	---	0.0610	0.950	3.01	0.875E	0.730E	0.165	0.209	0.238	---	---	26
27	---	---	0.0640	1.00	2.56	0.705E	0.682A	0.153	0.216	0.2130	---	---	27
28	---	---	0.0650	1.06	2.18	0.550E	0.594	0.149	0.211	0.1900	---	---	28
29	---	---	0.0680	1.07	1.98	0.500E	0.557	0.143	0.210	0.1680	---	---	29
30	---	---	0.0710	1.78	1.71	0.440E	0.567	0.145	0.221	0.1500	---	---	30
31	---	---	0.0740		1.55		0.582	0.137		0.1370	---	---	31
TOTAL	---	---	1.655	18.220	75.81	22.980	16.280	10.100	5.282	9.112	---	---	TOTAL
MEAN	---	---	0.050	0.641	2.45	0.766	0.528	0.326	0.176	0.294	---	---	MEAN
MAX	---	---	0.074	1.78	3.82	1.46	0.740	0.849	0.221	0.404	---	---	MAX
MIN	---	---	0.040	0.078	1.68	0.213	0.356	0.137	0.142	0.137	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.643
MAXIMUM DAILY 3.82 ON MAY 10
MINIMUM DAILY 0.0400 ON MAR 1
MAXIMUM INSTANTANEOUS
3.84 AT 13 40 MST ON MAY 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 39 41 N
LONG 111 31 11 W
DRAINAGE AREA 276 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 420
FEB	---	AUG	873
MAR	134	SEP	456
APR	1 600	OCT	787
MAY	2 550	NOV	---
JUN	1 990	DEC	---

TOTAL DISCHARGE 13 800 dam³

UPPER KANANASKIS LAKE - STATION NO. 05BF005

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1695.45	1692.58	1690.21	1688.71	1688.87	1691.90	1693.62	1697.68	1699.53	1699.29	1698.59	1697.10	1
2	1695.27	1692.58	1690.51	1688.71	1688.90	1691.88	1693.87	1697.80	1699.47	1699.26	1698.59	1696.97	2
3	1695.15	1692.46	1690.12	1688.71	1688.90	1691.94	1694.08	1697.92	1699.47	1699.23	1698.53	1696.85	3
4	1695.11	1692.34	1690.02	1688.71	1688.93	1692.16	1694.20	1698.04	1699.44	1699.26	1698.47	1696.76	4
5	1695.05	1692.22	1689.90	1688.71	1688.81	1692.37	1694.29	1698.13	1699.38	1699.29	1698.44	1696.64	5
6	1694.93	1692.10	1689.78	1688.71	1688.96	1692.52	1694.38	1698.25	1699.35	1699.26	1698.38	1696.67	6
7	1694.76	1691.98	1689.66	1688.71	1688.99	1692.62	1694.47	1698.36	1699.32	1699.23	1698.28	1696.67	7
8	1694.66	1691.98	1689.66	1688.71	1689.02	1692.71	1694.53	1698.47	1699.29	1699.23	1698.28	1696.55	8
9	1694.51	1691.98	1689.69	1688.74	1689.02	1692.77	1694.75	1698.59	1699.29	1699.20	1698.25	1696.43	9
10	1694.38	1691.82	1689.54	1688.74	1689.08	1692.80	1694.80	1698.71	1699.26	1699.17	1698.19	1696.30	10
11	1694.29	1691.70	1689.38	1688.77	1689.08	1692.89	1695.05	1698.83	1699.23	1699.20	1698.13	1696.21	11
12	1694.26	1691.58	1689.26	1688.77	1689.11	1692.95	1695.21	1698.92	1699.17	1699.23	1698.04	1696.09	12
13	1694.17	1691.49	1689.14	1688.77	1689.11	1692.98	1695.33	1699.11	1699.14	1699.23	1697.95	1696.09	13
14	1694.08	1691.34	1689.02	1688.77	1689.14	1693.01	1695.45	1699.23	1699.14	1699.20	1697.89	1696.09	14
15	1693.99	1691.34	1689.02	1688.74	1689.14	1693.10	1695.57	1699.20	1699.08	1699.14	1697.89	1695.97	15
16	1693.90	1691.34	1689.02	1688.74	1689.14	1693.19	1695.69	1699.41	1698.99	1699.11	1697.92	1695.85	16
17	1693.77	1691.21	1688.90	1688.74	1689.17	1693.19	1695.85	1699.47	1698.99	1699.05	1697.83	1695.75	17
18	1693.71	1691.09	1688.77	1688.74	1689.17	1693.29	1695.97	1699.56	1698.99	1699.08	1697.77	1695.54	18
19	1693.68	1690.97	1688.65	1688.74	1689.17	1693.33	1696.09	1699.63	1698.99	1699.08	1697.68	1695.42	19
20	1693.59	1689.72	1688.65	1688.77	1689.26	1693.29	1696.24	1699.69	1699.05	1699.05	1697.61	1695.36	20
21	1693.50	1690.70	1688.65	1688.74	1689.32	1693.26	1696.33	1699.72	1699.08	1699.02	1697.52	1695.36	21
22	1693.47	1690.70	1688.65	1688.81	1689.38	1693.19	1696.49	1699.75	1699.08	1698.96	1697.52	1695.24	22
23	1693.41	1690.70	1688.68	1688.84	1689.45	1693.19	1696.64	1699.78	1699.08	1698.89	1697.55	1695.08	23
24	1693.29	1690.66	1688.65	1688.84	1689.51	1693.29	1696.78	1699.78	1699.08	1698.83	1697.46	1694.93	24
25	1693.22	1690.60	1688.68	1688.84	1689.57	1693.38	1696.91	1699.75	1699.11	1698.83	1697.37	1694.93	25
26	1693.16	1690.48	1688.68	1688.84	1689.69	1693.39	1697.03	1699.72	1699.14	1698.86	1697.31	1694.93	26
27	1693.04	1690.33	1688.68	1688.84	1689.87	1693.39	1697.16	1699.72	1699.17	1698.80	1697.25	1694.90	27
28	1692.95	1690.21	1688.68	1688.84	1690.21	1693.39	1697.25	1699.66	1699.20	1698.74	1697.16	1694.87	28
29	1692.83		1688.71	1688.84	1690.51	1693.41	1697.37	1699.56	1699.23	1698.74	1697.16	1694.72	29
30	1692.74		1688.71	1688.84	1690.79	1693.50	1697.46	1699.56	1699.26	1698.65	1697.16	1694.97	30
31	1692.58		1688.71		1691.09		1697.58	1699.53		1698.59		1694.41	31
MEAN	1693.97	1691.35	1689.17	1688.77	1689.37	1692.98	1695.70	1699.08	1699.20	1698.95	1697.87	1695.78	MEAN
MAX	1695.45	1692.58	1690.51	1688.84	1691.09	1693.50	1697.58	1699.78	1699.53	1699.29	1698.59	1697.10	MAX
MIN	1692.58	1689.72	1688.65	1688.71	1688.81	1691.88	1693.62	1697.68	1698.89	1698.59	1697.16	1694.41	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MEAN 1694.37
MAXIMUM DAILY 1699.78 ON AUG 23
MINIMUM DAILY 1688.65 ON MAR 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 37 00 N
LONG 115 07 00 W
DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

DRAINAGE AREA
191 km²

WATER LEVELS ARE REFERRED TO TRANSALTA UTILITIES DATUM
APPLY 5.283 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

UTIKUMA LAKE NEAR NIPISI - STATION NO. 07JA001

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	29.987	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	29.972	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	29.985	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	29.985	---	---	---	---	29.819	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	29.980	29.972	---	---	29.947	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	29.919	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	29.983	---	---	29.881	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 51 35 N
LONG 115 15 27 W

NATURAL FLOW

DRAINAGE AREA
2 470 km²

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

VERDIGRIS COULEE NEAR THE MOUTH - STATION NO 11AA038

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.115A	0.279	0.424	0.365	0.225	0.180	0.254	0.412	0.0298	---	1
2	---	---	0.523	0.288	0.392	0.365	0.147	0.155	0.256	0.476	0.0508	---	2
3	---	---	0.6408	0.2458	0.388	0.357	0.140	0.139	0.305	0.422	0.0710	---	3
4	---	---	0.735	0.1508	0.484	0.314	0.182	0.210	0.282	0.449	0.087	---	4
5	---	---	0.5808	0.032	0.642	0.329	0.181	0.206	0.346	0.446	0.069	---	5
6	---	---	0.388	0.007	0.480	0.321	0.242	0.289	0.305	0.450	0.0508	---	6
7	---	---	0.495	0.002	0.441	0.318	0.181	0.205	0.276	0.451	0.0188	---	7
8	---	---	0.587	0.001	0.428	0.333	0.139	0.223	0.288	0.459	0.0018	---	8
9	---	---	0.4908	0.059	0.431	0.348	0.086	0.259	0.484	0.440	0 B	---	9
10	---	---	0.3508	0.418	0.442	0.288	0.178	0.180	0.390	0.522	0 B	---	10
11	---	---	0.3408	0.461	0.453	0.284	0.218	0.131	0.361	0.478	0 B	---	11
12	---	---	0.337	0.3108	0.482	0.269	0.193	0.245	0.378	0.430	0 B	---	12
13	---	---	0.362	0.4608	0.419	0.228	0.142	0.357	0.327	0.458	0 B	---	13
14	---	---	0.386	0.5908	0.542	0.188	0.104	0.318	0.343	0.417	0 B	---	14
15	---	---	0.358	0.7008	0.640	0.257	0.081	0.338	0.348	0.388	0 B	---	15
16	---	---	0.368	0.581	0.480	0.250	0.115	0.310	0.343	0.377	0 B	---	16
17	---	---	0.4758	0.544	0.417	0.205	0.083	0.254	0.354	0.354	0 B	---	17
18	---	---	0.3808	0.544	0.412	0.162	0.184	0.287	0.366	0.348	0 B	---	18
19	---	---	0.4508	0.552	0.395	0.142	0.117	0.309	0.390	0.324	0 B	---	19
20	---	---	0.3908	0.537	0.382	0.1618	0.081	0.247	0.387	0.299	0 B	---	20
21	---	---	0.404	0.496	0.416	0.147E	0.105	0.251	0.379	0.285	0 B	---	21
22	---	---	0.4008	0.475	0.521	0.149E	0.085	0.272	0.385	0.289	0 B	---	22
23	---	---	0.3108	0.527	0.544	0.149A	0.159	0.233	0.389	0.182	0 B	---	23
24	---	---	0.308	0.443	0.381	0.153	0.185	0.267	0.357	0.229	0 B	---	24
25	---	---	0.3258	0.412	0.057	0.157	0.118	0.268	0.654	0.257	0 B	---	25
26	---	---	0.3408	0.432	0.055	0.173	0.181	0.217	0.687	0.205	0 B	---	26
27	---	0.115E	0.303	0.420	0.307	0.106	0.142	0.211	0.420	0.144	0 B	---	27
28	---	0.115E	0.303	0.444	0.422	0.107	0.184	0.215	0.412	0.175	0 B	---	28
29	---		0.287	0.451	0.418	0.145	0.205	0.224	0.411	0.127	0 B	---	29
30	---		0.289	0.473	0.412	0.236	0.235	0.259	0.487	0.115	0 B	---	30
31	---		0.288		0.409		0.201	0.300		0.0938		---	31
TOTAL	---	---	12.408	11.323	13.097	6.955	4.830	7.531	11.205	10.529	0.385	---	TOTAL
MEAN	---	---	0.400	0.377	0.422	0.232	0.155	0.243	0.374	0.340	0.013	---	MEAN
MAX	---	---	0.735	0.700	0.642	0.365	0.242	0.357	0.687	0.522	0.097	---	MAX
MIN	---	---	0.115	0.001	0.055	0.1[illegible]	0.081	0.131	0.254	0.093	0	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.318
MAXIMUM DAILY, 0.735 ON MAR 4
MINIMUM DAILY, 0.001 ON APR 8
MAXIMUM INSTANTANEOUS,
1.07 AT 22:35 MST ON MAR 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 38 N
LONG 111 45 31 W
DRAINAGE AREA, 365 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	417
FEB	---	AUG	651
MAR	1 070	SEP	968
APR	978	OCT	910
MAY	1 130	NOV	33.3
JUN	602	DEC	---

TOTAL DISCHARGE, 6 730 dam³

REMARKS - HIGHER DISCHARGES OCCURRED OUTSIDE THE STANDARD PERIOD

VERMILION PARK LAKE NEAR VERMILION - STATION NO. 05EE008

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	575.752	576.166A	575.961	575.889	575.836	575.819	575.736	575.734	575.730	---	1
2	---	---	575.753	576.178	575.967	575.894	575.834	575.818	575.740	575.730	575.735	---	2
3	---	---	575.759	576.189	576.008	575.882	575.846	575.816	575.755	575.733	575.742	---	3
4	---	---	575.813	576.188	575.981	575.868	575.848	575.819	575.740	575.734	575.760A	---	4
5	---	---	575.873	576.192	575.969	575.874	575.843	575.833	575.737	575.736	---	---	5
6	---	---	575.878	576.209	575.971	575.878	575.835	575.847	575.722	575.737	---	---	6
7	---	---	575.879	576.227	575.954	575.871	575.819	575.844	575.714	575.722	---	---	7
8	---	---	---	576.260	575.929	575.874	575.821	575.834	575.720	575.719	---	---	8
9	---	---	---	576.277	575.922	575.878	575.822	575.840	575.723	575.722	---	---	9
10	---	---	---	576.300	575.922	575.869	575.820	575.835	575.722	575.722	---	---	10
11	---	---	---	576.329	575.913	575.863	575.835	575.835	575.718	575.718	---	---	11
12	---	---	575.888A	576.339	575.912	575.848	575.849	575.835	575.720	575.719	---	---	12
13	---	---	575.892	576.336	575.914	575.845	575.857	575.817	575.717	575.719	---	---	13
14	---	---	575.891	576.326	575.938	575.841	575.857	575.813	575.710	575.719	---	---	14
15	---	---	575.894	576.311	575.964	575.843	575.851	575.819	575.709	575.721	---	---	15
16	---	---	575.894	576.289	575.968	575.845	575.846	575.782	575.705	575.718	---	---	16
17	---	---	575.902	576.273	575.991	575.852	575.852	575.772	575.701	575.721	---	---	17
18	---	---	575.916	576.248	576.001	575.857	575.872	575.792	575.702	575.719	---	---	18
19	---	---	575.952	576.199	576.001	575.870	575.865	575.795	575.698	575.720	---	---	19
20	---	---	575.986	576.177	575.991	575.870	575.862	575.776	575.702	575.716	---	---	20
21	---	---	---	576.160	575.982	575.857	575.862	575.784	575.704	575.718	---	---	21
22	---	---	---	576.135	575.979	575.856	575.865	575.780	575.710	575.716	---	---	22
23	---	---	---	576.109	575.964	575.849	575.867	575.777	575.696	575.716	---	---	23
24	---	---	---	576.077	575.962	575.847	575.864	575.768	575.693	575.719	---	---	24
25	---	---	---	576.055	575.969	575.842	575.855	575.765	575.691	575.721	---	---	25
26	---	575.776A	---	576.048	575.958	575.858	575.846	575.766	575.709	575.724	---	---	26
27	---	575.753	---	576.012	575.951	575.848	575.844	575.761	575.723	575.728	---	---	27
28	---	575.751	---	575.992	575.934	575.841	575.833	575.773	575.727	575.724	---	---	28
29	---		---	575.980	575.928	575.834	575.831	575.758	575.732	575.726	---	---	29
30	---		---	575.966	575.911	575.835	575.830	575.751	575.729	575.729	---	---	30
31	---		---		575.903		575.824	575.743		575.732		---	31
MEAN	---	---	---	576.185	575.955	575.859	575.845	575.799	575.717	575.724	---	---	MEAN
MAX	---	---	---	576.339	576.008	575.894	575.872	575.847	575.755	575.737	---	---	MAX
MIN	---	---	---	575.883	575.903	575.834	575.819	575.743	575.691	575.716	---	---	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

A - MANUAL GAUGE

MAXIMUM DAILY, 576.339 ON APR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 21 40 N
LONG 110 51 24 W

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

VERMILION RIVER DRAINAGE NEAR MOLDEN - STATION NO. 05EE913

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.8	0.068	0	0	0	0.022	0	0	---	---	1
2	---	---	0.0388	0.044	0	0	0	0.017	0	0	---	---	2
3	---	---	0.0758	0.030	0	0	0	0.015	0	0	---	---	3
4	---	---	0.1138	0.025	0	0	0	0.021	0	0	---	---	4
5	---	---	0.1708	0.044	0	0	0	0.021	0	0	---	---	5
6	---	---	0.1368	0.109	0	0	0	0.023	0	0	---	---	6
7	---	---	0.1028	0.106	0	0	0	0.020	0	0	---	---	7
8	---	---	0.0688	0.094	0	0	0	0.018	0	0	---	---	8
9	---	---	0.0348	0.076	0	0	0	0.015	0	0	---	---	9
10	---	---	0.8	0.060	0	0	0	0.014	0	0	---	---	10
11	---	---	0.0168	0.044	0	0	0	0.013	0	0	---	---	11
12	---	---	0.0328	0.031	0	0	0	0.011	0	0	---	---	12
13	---	---	0.0488	0.030	0	0	0	0.010	0	0	---	---	13
14	---	---	0.0658	0.026	0.004	0	0	0.008	0	0	---	---	14
15	---	---	0.0818	0.011	0.003	0	0	0.006	0	0	---	---	15
16	---	---	0.0978	0.006	0.035	0	0	0.005	0	0	---	---	16
17	---	---	0.1138	0.004	0.022	0	0	0.004	0	0	---	---	17
18	---	---	0.1618	0.001	0.014	0	0.021	0.001	0	0	---	---	18
19	---	---	0.4388	0	0.009	0	0.026	0	0	0	---	---	19
20	---	---	0.5808	0	0.006	0	0.042	0	0	0	---	---	20
21	---	---	0.4828	0	0.003	0	0.050	0	0	0	---	---	21
22	---	---	0.721	0	0.001	0	0.049	0	0	0	---	---	22
23	---	---	0.663	0	0	0	0.044	0	0	0	---	---	23
24	---	---	0.529	0	0	0	0.038	0	0	0	---	---	24
25	---	---	0.680	0	0	0	0.033	0	0	0	---	---	25
26	---	---	0.386	0	0	0	0.031	0	0	0	---	---	26
27	---	---	0.333	0	0	0	0.031	0	0	0	---	---	27
28	---	---	0.533	0	0	0	0.030	0	0	0	---	---	28
29	---		0.400	0	0	0	0.030	0	0	0	---	---	29
30	---		0.228	0	0	0	0.029	0	0	0	---	---	30
31	---		0.130		0		0.027	0		0		---	31
TOTAL	---	---	7.452	0.809	0.087	0	0.481	0.244	0	8	---	---	TOTAL
MEAN	---	---	0.240	0.027	0.003	0	0.016	0.008	0	0	---	---	MEAN
MAX	---	---	0.721	0.109	0.035	0	0.050	0.023	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.037
MAXIMUM DAILY, 0.721 ON MAR 22
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
1.38 AT 09:05 MST ON MAR 22

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 08 02 N
LONG 112 24 19 W
DRAINAGE AREA, 56.4 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	41.8
FEB	---	AUG	21.1
MAR	644	SEP	0
APR	69.9	OCT	0
MAY	8.38	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 785 dam³

VERMILION RIVER NEAR MANWAYNE - STATION NO 05EE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	12 3 B	4 88	1 46	0 275	0 588	0 120E	0 060E	0 040E	---	1
2	---	---	0 B	11 3	4 41	1 35	0 269	0 538	0 080E	0 057E	0 040E	---	2
3	---	---	0 B	10 4	4 16	1 28	0 284	0 433	0 080E	0 054E	0 073A	---	3
4	---	---	0 B	10 2	4 04	1 00	0 290	0 406	0 072E	0 052E	---	---	4
5	---	---	0 B	10 4	4 06	0 924	0 296	0 367	0 070E	0 051E	---	---	5
6	---	---	0 B	10 6	3 73	0 788	0 283	0 346	0 060E	0 050E	---	---	6
7	---	---	0 B	10 6	3 49	0 699	0 273	0 322	0 055E	0 049E	---	---	7
8	---	---	0 B	10 6	3 33	0 658	0 268	0 298	0 052E	0 048E	---	---	8
9	---	---	0 0028	10 8	3 24	0 636	0 263	0 290	0 049E	0 047A	---	---	9
10	---	---	0 0048	11 2	3 11	0 592	0 261	0 291	0 045E	0 046E	---	---	10
11	---	---	0 0068	11 7	3 03	0 555	0 260	0 277	0 043A	0 045E	---	---	11
12	---	---	0 0088	12 7	2 87	0 525	0 261	0 268	0 041E	0 044E	---	---	12
13	---	---	0 0088	14 1	2 84	0 734	0 264	0 260	0 040E	0 043E	---	---	13
14	---	---	0 0088	15 8	2 55	0 493	0 254	0 248	0 040E	0 042E	---	---	14
15	---	---	0 0088	17 3	2 74	0 459	0 237	0 237	0 050E	0 041E	---	---	15
16	---	---	0 2008	17 4	3 03	0 421	0 227	0 233	0 062E	0 040E	---	---	16
17	---	---	0 4508	17 3	3 17	0 381	0 240	0 245	0 040E	0 040E	---	---	17
18	---	---	0 8008	16 7	3 10	0 360	0 239	0 243E	0 040E	0 040E	---	---	18
19	---	---	1 15 B	15 9	3 06	0 515	0 243	0 235E	0 040E	0 040E	---	---	19
20	---	---	1 50 B	14 7	3 14	0 488	0 236	0 228E	0 040E	0 040E	---	---	20
21	---	---	1 80 B	13 1	3 07	0 407	0 226	0 218E	0 040E	0 040E	---	---	21
22	---	---	2 40 B	11 7	2 98	0 367	0 226	0 205E	0 040E	0 040E	---	---	22
23	---	---	2 38 B	10 8	2 95	0 386	0 230	0 200E	0 040E	0 040E	---	---	23
24	---	---	3 37 B	9 97	2 84	0 373	0 233	0 178E	0 040E	0 040E	---	---	24
25	---	---	2 73 B	9 18	2 62	0 385	0 240	0 160E	0 040E	0 040E	---	---	25
26	---	---	4 43 B	8 35	2 43	0 382	0 250	0 150E	0 040E	0 040E	---	---	26
27	---	---	4 88 B	7 54	2 52	0 359	0 262	0 140E	0 040E	0 040E	---	---	27
28	---	---	5 58 B	6 77	2 23	0 331	0 291	0 125E	0 045E	0 040E	---	---	28
29	---		5 93 B	5 98	2 10	0 310	0 823	0 115E	0 050E	0 040E	---	---	29
30	---		6 83 B	5 38	1 93	0 285	3 79	0 105E	0 080E	0 040E	---	---	30
31	---		9 60 B		1 78		0 959	0 100E		0 040E		---	31
TOTAL	---	---	53 974	350 75	95 20	18 008	12 763	8 039	1 595	1 369	---	---	TOTAL
MEAN	---	---	1 74	11 7	3 07	0 600	0 412	0 259	0 053	0 044	---	---	MEAN
MAX	---	---	9 60	17 4	4 88	1 46	3 79	0 588	0 120	0 060	---	---	MAX
MIN	---	---	0	5 38	1 78	0 285	0 226	0 100	0 040	0 040	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2 21
MAXIMUM DAILY, 17 4 ON APR 16
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
18 0 AT 13 11 MST ON APR 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 28 28 N
LONG 110 23 51 W
DRAINAGE AREA, 7 270 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 100
FEB	---	AUG	695
MAR	4 660	SEP	138
APR	30 300	OCT	118
MAY	8 230	NOV	---
JUN	1 560	DEC	---

TOTAL DISCHARGE 46 800 dam³

VERMILION RIVER NEAR VEGREVILLE - STATION NO 05EE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 0038	19 6	0 128	0 022	0	0	0	0	0 010	---	1
2	---	---	0 0038	16 2	0 068	0 020	0	0	0	0	0 010	---	2
3	---	---	0 0038	13 8	0 031	0 020	0	0	0	0	0 004A	---	3
4	---	---	0 0038	11 3	0 018	0 023	0	0	0	0	---	---	4
5	---	---	0 0038	9 38	0 033	0 023	0	0	0	0	---	---	5
6	---	---	0 0038	7 16	0 154	0 021	0	0 005	0	0	---	---	6
7	---	---	0 0018	5 59	0 026	0 019	0	0 018	0	0	---	---	7
8	---	---	0 0018	4 47	0 009	0 024	0	0 009	0	0	---	---	8
9	---	---	0 0018	3 80	0 006	0 024	0	0 005	0	0	---	---	9
10	---	---	0 0018	3 49	0 005	0 022	0	0 004	0	0	---	---	10
11	---	---	0 0018	3 22	0 004	0 021	0	0 003	0	0	---	---	11
12	---	---	0 0018	2 89	0 005	0 017	0 006	0 002	0	0	---	---	12
13	---	---	0 0018	2 71	0 007	0 014	0 010	0 002	0	0	---	---	13
14	---	---	0 2508	2 38	0 018	0 011	0 008	0 001	0	0	---	---	14
15	---	---	0 5008	2 05	0 085	0 013	0 003	0	0	0	---	---	15
16	---	---	1 00 B	1 91	0 081	0 012	0	0	0	0	---	---	16
17	---	---	1 40 B	1 78	0 061	0 011	0 002	0	0	0	---	---	17
18	---	---	1 80 B	1 63	0 043	0 010	0 007	0	0	0	---	---	18
19	---	---	2 20 B	1 50	0 033	0 009	0 005	0	0	0	---	---	19
20	---	---	2 65 B	1 35	0 027	0 003	0 001	0	0	0	---	---	20
21	---	---	3 40 B	1 20	0 020	0 001	0	0	0	0	---	---	21
22	---	---	4 15 B	1 09	0 013	0	0	0	0	0	---	---	22
23	---	---	5 25 B	0 998	0 009	0	0	0	0	0	---	---	23
24	---	---	8 18 B	0 827	0 040	0	0	0	0	0	---	---	24
25	---	---	9 05 B	0 496	0 041	0	0	0	0	0	---	---	25
26	---	---	9 65 B	0 400	0 029	0	0	0	0	0	---	---	26
27	---	---	8 56 B	0 311	0 021	0	0	0	0	0	---	---	27
28	---	---	9 70 B	0 116	0 085	0	0	0	0	0	---	---	28
29	---		12 8 B	0 127	0 028	0	0	0	0	0	---	---	29
30	---		18 4	0 197	0 016	0	0	0	0	0	---	---	30
31	---		21 8		0 018		0	0		0		---	31
TOTAL	---	---	121 685	121 673	1 171	0 340	0 043	0 049	0	0	---	---	TOTAL
MEAN	---	---	3 93	4 06	0 038	0 011	0 001	0 002	0	0	---	---	MEAN
MAX	---	---	21 8	19 6	0 154	0 024	0 010	0 018	0	0	---	---	MAX
MIN	---	---	0 001	0 116	0 004	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 00
MAXIMUM DAILY, 21 8 ON MAR 31
MINIMUM DAILY, 0 ON JUN 22
MAXIMUM INSTANTANEOUS,
22 3 AT 17 00 MST ON MAR 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 27 54 N
LONG 112 03 52 W
DRAINAGE AREA, 1 690 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 72
FEB	---	AUG	4 23
MAR	10 500	SEP	0
APR	10 500	OCT	0
MAY	101	NOV	---
JUN	28 4	DEC	---

TOTAL DISCHARGE, 21 100 dam³

VERMILION RIVER TRIBUTARY NEAR BRUCE - STATION NO. 05EE006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.58	0	0	0	0	0	0	0	---	1
2	---	---	0 B	1.32	0.052	0	0	0	0	0	0	---	2
3	---	---	0 B	1.01	0.008	0	0	0	0	0	0A	---	3
4	---	---	0 B	0.775	0.009	0	0	0	0	0	---	---	4
5	---	---	0 B	0.594	0.009	0	0	0	0	0	---	---	5
6	---	---	0 B	0.451	0.007	0	0	0	0	0	---	---	6
7	---	---	0 B	0.329	0.006	0	0	0	0	0	---	---	7
8	---	---	0 B	0.250	0.004	0	0	0	0	0	---	---	8
9	---	---	0 B	0.168	0.001	0	0	0	0	0	---	---	9
10	---	---	0 B	0.151	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0.122	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0.105	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0.095	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.082	0	0	0	0	0	0	---	---	14
15	---	---	0.0038	0.072	0	0	0	0	0	0	---	---	15
16	---	---	0.0108	0.055	0.001	0	0	0	0	0	---	---	16
17	---	---	0.0408	0.039	0.003	0	0	0	0	0	---	---	17
18	---	---	0.1008	0.030	0.005	0	0	0	0	0	---	---	18
19	---	---	0.1408	0.027	0.005	0	0	0	0	0	---	---	19
20	---	---	0.1808	0.027	0.006	0	0	0	0	0	---	---	20
21	---	---	0.2208	0.026	0.005	0	0	0	0	0	---	---	21
22	---	---	0.3508	0.021	0.006	0	0	0	0	0	---	---	22
23	---	---	0.5308	0.020	0.006	0	0	0	0	0	---	---	23
24	---	---	0.7008	0.015	0.006	0	0	0	0	0	---	---	24
25	---	---	0.4008	0.014	0.005	0	0	0	0	0	---	---	25
26	---	---	0.1808	0.010	0.003	0	0	0	0	0	---	---	26
27	---	---	0.400	0.007	0.002	0	0	0	0	0	---	---	27
28	---	---	1.08	0.003	0.001	0	0	0	0	0	---	---	28
29	---		1.58	0.001	0	0	0	0	0	0	---	---	29
30	---		1.91	0	0	0	0	0	0	0	---	---	30
31	---		1.84		0		0	0		0		---	31
TOTAL	---	---	9.773	7.402	0.150	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.315	0.247	0.005	0	0	0	0	0	---	---	MEAN
MAX	---	---	1.91	1.58	0.052	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.071
MAXIMUM DAILY, 1.91 ON MAR 30
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.84 AT 13 37 MST ON MAR 30

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 17 42 N
LONG 112 02 54 W
DRAINAGE AREA, 46.9 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	844	SEP	0
APR	640	OCT	0
MAY	13.0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 500 dam³

VIXEN CREEK NEAR BELLOY - STATION NO. 07FD921

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	5.878	0.9408	0.110	0.017	0	0	0	0	---	---	1
2	---	---	4.278	0.8978	0.120	0.004	0	0	0	0	---	---	2
3	---	---	2.228	0.5688	0.132	0	0	0	0	0	---	---	3
4	---	---	2.068	0.6078	0.228	0	0	0	0	0	---	---	4
5	---	---	---	0.6788	0.317	0	0	0	0	0	---	---	5
6	---	---	---	0.6458	0.284	0	0	0	0	0	---	---	6
7	---	---	---	0.630	0.192	0	0	0	0	0	---	---	7
8	---	---	---	0.513	0.133	0	0	0	0	0	---	---	8
9	---	---	---	0.384	0.124	0	0	0	0	0	---	---	9
10	---	---	---	---	0.110	0	0	0	0	0	---	---	10
11	---	---	---	---	0.085	0	0	0	0	0	---	---	11
12	---	---	---	---	0.100	0	0	0	0	0	---	---	12
13	---	---	---	---	0.088	0	0	0	0	0	---	---	13
14	---	---	---	---	0.445	0	0	0	0	0	---	---	14
15	---	---	---	---	0.914	0	0	0	0	0	---	---	15
16	---	---	---	0.113	1.01	0	0	0	0	0	---	---	16
17	---	---	---	0.406	0.931	0	0	0	0	0	---	---	17
18	---	---	---	1.04	0.727	0	0	0	0	0	---	---	18
19	---	---	---	1.02	0.543	0	0	0	0	0	---	---	19
20	---	---	---	0.786	0.391	0	0	0	0	0	---	---	20
21	---	---	---	0.503	0.291	0	0	0	0	0	---	---	21
22	---	---	---	0.290	0.463	0	0	0	0	0	---	---	22
23	---	---	---	0.183	0.276	0	0	0	0	0	---	---	23
24	---	---	---	0.140	0.335	0	0	0	0	0	---	---	24
25	---	---	---	0.111	0.176	0	0	0	0	0	---	---	25
26	---	---	---	0.083	0.124	0	0	0	0	0	---	---	26
27	---	---	3.808	0.074	0.108	0	0	0	0	0B	---	---	27
28	---	5.308	3.378	0.066	0.083	0	0	0	0	0B	---	---	28
29	---		2.388	0.085	0.070	0	0	0	0	0B	---	---	29
30	---		1.778	0.083	0.052	0	0	0	0	0B	---	---	30
31	---		1.238		0.034		0	0		0B		---	31
TOTAL	---	---	---	---	8.986	0.021	0	0	0	0	---	---	TOTAL
MEAN	---	---	---	---	0.290	0.001	0	0	0	0	---	---	MEAN
MAX	---	---	---	---	1.01	0.017	0	0	0	0	---	---	MAX
MIN	---	---	---	---	0.034	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 5.878 ON MAR 1
MINIMUM DAILY, 0 ON JUN 3
MAXIMUM INSTANTANEOUS,
6.85 AT 14 17 MST ON MAR 1

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 46 30 N
LONG 118 08 20 W
DRAINAGE AREA, 125 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	---	SEP	0
APR	---	OCT	0
MAY	778	NOV	---
JUN	1.81	DEC	---

WABAMUN CREEK NEAR DUFFIELD - STATION NO. 05DE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.64 B	1.15 B	0.510	0.398	0.191	0.382	0.337	0.810	0.518	---	1
2	---	---	1.53 B	0.727B	0.408	0.382	0.167	0.357	0.385	0.548	0.464	---	2
3	---	---	1.42 B	0.702B	0.431	0.371	0.185	0.386	0.258	0.553	0.472	---	3
4	---	---	1.28 B	0.360B	0.395	0.355	0.245	0.370	0.249	0.863	0.476	---	4
5	---	---	1.18 B	0.125B	0.382	0.334	0.199	0.448	0.252	0.843	0.408A	---	5
6	---	---	1.05 B	0.151B	0.350	0.344	0.193	0.579	0.220	0.583	---	---	6
7	---	---	0.960B	0.303B	0.318	0.341	0.172	0.531	0.182	0.849	---	---	7
8	---	---	1.10 B	0.145B	0.279	0.344	0.155	0.502	0.186	0.537	---	---	8
9	---	---	1.15 B	0.500B	0.333	0.348	0.170	0.504	0.165	0.498	---	---	9
10	---	---	0.860B	0.711B	0.443	0.350	0.205	0.518	0.150	0.532	---	---	10
11	---	---	0.560B	0.580	0.404	0.334	0.215	0.481	0.235	0.538	---	---	11
12	---	---	0.381B	0.540A	0.335	0.349	0.332	0.487	0.291	0.447	---	---	12
13	---	---	0.275B	0.528E	0.447	0.321	0.440	0.474	0.295	0.405	---	---	13
14	---	---	0.189B	0.516E	0.912	0.256	0.391	0.490	0.235	0.388	---	---	14
15	---	---	0.160B	0.504E	1.30	0.317	0.333	0.467	0.210	0.373	---	---	15
16	---	---	0.250B	0.492A	0.958	0.326	0.420	0.513	0.232	0.383	---	---	16
17	---	---	0.500B	0.546	0.802	0.218	1.37	0.448	0.213	0.376	---	---	17
18	---	---	0.800B	0.711	0.727	0.195	3.43	0.518	0.257	0.384	---	---	18
19	---	---	1.15 B	0.582	0.738	0.241	4.18	0.423	0.275	0.333	---	---	19
20	---	---	1.50 B	0.585	0.769	0.285	3.46	0.386	0.276	0.352	---	---	20
21	---	---	1.45 B	0.686	0.731	0.272	2.56	0.412	0.287	0.345	---	---	21
22	---	---	1.38 B	0.783	0.911	0.248	1.70	0.400	0.298	0.331	---	---	22
23	---	---	1.38 B	0.921	0.705	0.212	1.23	0.409	0.352	0.317	---	---	23
24	---	---	0.909B	0.803	0.847	0.291	0.862	0.488	0.352	0.340	---	---	24
25	---	---	0.518B	0.584	0.625	0.229	0.738	0.422	0.408	0.438	---	---	25
26	---	0.237B	0.859B	0.534	0.571	0.200	0.647	0.426	0.531	0.315	---	---	26
27	---	0.310B	1.04 B	0.545	0.548	0.214	0.761	0.382	0.619	0.294	---	---	27
28	---	0.380B	1.06 B	0.552	0.516	0.205	0.683	0.386	0.585	0.520	---	---	28
29	---		1.09 B	0.618	0.480	0.183	0.479	0.379	0.521	1.08	---	---	29
30	---		1.23 B	0.708	0.455	0.197	0.662	0.370	0.619	0.713	---	---	30
31	---		1.37 B		0.417		0.639	0.338		0.525		---	31
TOTAL	---	---	30.251	17.203	17.845	8.671	27.414	13.732	9.435	14.990	---	---	TOTAL
MEAN	---	---	0.976	0.573	0.576	0.289	0.884	0.443	0.315	0.484	---	---	MEAN
MAX	---	---	1.64	1.15	1.30	0.398	4.18	0.613	0.619	1.08	---	---	MAX
MIN	---	---	0.160	0.125	0.279	0.183	0.155	0.338	0.150	0.294	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.570
MAXIMUM DAILY, 4.18 ON JUL 19
MINIMUM DAILY, 0.125B ON APR 5
MAXIMUM INSTANTANEOUS,
4.52 AT 11:10 MST ON JUL 19

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 27 42 N
LONG 114 22 00 W
DRAINAGE AREA, 513 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 370
FEB	---	AUG	1 190
MAR	2 610	SEP	815
APR	1 490	OCT	1 300
MAY	1 540	NOV	---
JUN	748	DEC	---

TOTAL DISCHARGE, 12 100 dam³

WABAMUN LAKE AT WABAMUN - STATION NO. 05DE002

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	724.530	---	---	724.481	1
2	---	---	---	724.515	---	724.530	---	---	---	---	---	---	2
3	---	724.450	724.480	---	---	---	---	---	---	---	724.501	---	3
4	---	---	---	---	---	---	---	724.530	---	---	---	---	4
5	---	---	724.486	---	724.550	---	---	---	---	---	724.509	---	5
6	724.451	---	---	---	---	---	---	---	---	724.531	---	---	6
7	---	---	---	724.520	---	---	724.480	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	724.480	---	---	724.481	8
9	---	---	---	---	---	724.510	724.454	---	---	---	---	---	9
10	---	724.450	724.480	---	---	---	---	---	---	---	724.501	---	10
11	---	---	---	---	---	724.518	---	724.580	---	---	---	---	11
12	---	---	---	---	724.580	---	---	---	---	---	---	---	12
13	724.440	---	---	---	---	---	---	---	---	724.531	---	---	13
14	---	---	---	724.520	724.562	---	724.480	724.600	---	---	---	---	14
15	---	---	---	---	---	---	---	---	724.480	---	---	724.471	15
16	---	---	---	724.514	---	724.480	---	---	---	---	---	---	16
17	---	724.480	724.480	---	---	---	---	724.570	724.481	---	724.471	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	724.570	---	724.850	---	---	---	---	---	19
20	724.450	---	---	---	---	---	---	---	---	724.521	---	---	20
21	---	---	---	724.520	---	---	724.850	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	724.481	724.521	---	724.471	22
23	---	---	---	---	---	724.470	---	---	---	---	---	---	23
24	---	724.450	724.490	---	---	---	---	---	---	---	724.479	---	24
25	---	---	724.510	---	---	---	---	724.550	---	---	---	---	25
26	---	724.452	---	---	724.560	---	---	---	---	---	---	---	26
27	724.449	---	---	---	---	---	---	---	---	724.511	---	---	27
28	---	---	---	724.550	---	---	724.850	---	---	---	---	---	28
29	---		---	---	---	---	---	---	724.511	---	---	724.471	29
30	---		---	---	---	724.480	---	---	---	---	---	---	30
31	---		724.480		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 33 24 N
LONG 114 29 28 W

REGULATED

DRAINAGE AREA,
355 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM
APPLY -001.506 m ADJUSTMENT TO CONVERT TO CANADIAN NATIONAL RAILWAYS DATUM

WABASCA RIVER AT WADLIN LAKE ROAD - STATION NO. 07JD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	14.4B	14.1B	12.3 B	15.8B	108E	172	226	136	44.3	31.0	20.3B	23.0B	1
2	14.5B	13.9B	11.2 B	16.4B	113E	157	210	137	43.1	30.9	19.9B	23.0B	2
3	14.3B	14.0B	10.4 B	19.9B	123E	144	193	137	41.9	31.1	18.2B	22.8B	3
4	14.2B	13.7B	9.75B	21.0B	134E	137 A	177	135	40.6	31.7	22.5B	22.8B	4
5	14.4B	13.9B	9.51B	21.8B	150E	133 E	176	129	39.4	31.9	21.7B	22.5B	5
6	14.1B	13.7B	9.12B	23.9B	163E	127 E	171	123	38.9	34.1	25.4B	22.4B	6
7	14.1B	13.3B	9.65B	23.1B	175A	120 E	162	119	38.1	36.1	25.3B	22.0B	7
8	14.1B	13.4B	10.6 B	24.9B	190E	114 E	152	114	37.0	36.3	25.3B	21.8B	8
9	14.1B	13.6B	11.2 B	33.3B	204E	108 E	145	110	36.0	37.3	24.5B	21.5B	9
10	14.0B	13.1B	11.7 B	31.9B	215E	105 E	141	108	35.0	38.0	24.0B	21.0B	10
11	13.8B	13.6B	11.9 B	34.8B	223E	100 E	143	102	34.2	38.2	23.0B	21.0B	11
12	13.6B	14.0B	12.9 B	36.6B	226E	98.0E	145	96.6	33.4	39.1	22.1B	21.0B	12
13	13.2B	14.3B	14.2 B	37.0B	224E	93.0E	141	91.5	32.8	39.7	21.4B	21.0B	13
14	13.5B	14.1B	14.4 B	36.0B	217E	91.0E	145	88.4	32.5	39.5	20.5B	20.7B	14
15	13.2B	14.3B	14.0 B	35.5B	214E	90.0E	152	82.2	32.2	39.3	22.4B	20.5B	15
16	13.5B	14.0B	13.6 B	34.8B	212E	93.0E	152	78.6	31.7	39.2	22.8B	20.2B	16
17	13.8B	14.1B	13.8 B	34.9B	218E	98.0E	152	76.2	31.4	38.8	22.8B	19.5B	17
18	13.8B	13.7B	13.6 B	38.1B	230E	110 E	151	72.8	31.4	38.3	22.5B	18.6B	18
19	14.0B	13.2B	14.2 B	42.0B	255E	150 E	151	69.4	30.9	37.5	22.1B	17.9B	19
20	14.1B	13.3B	14.3 B	51.6B	296E	260 E	150	67.1A	30.2	36.9	22.1B	17.8B	20
21	14.2B	13.5B	15.1 B	64.0B	320E	420 E	149	65.1E	30.1	36.3	20.3B	18.0B	21
22	14.4B	13.2B	16.1 B	84.7B	329E	530 E	150	63.0E	30.1	36.0	20.2B	18.0B	22
23	14.9B	13.3B	16.3 B	103 B	325E	565 E	150	61.0E	30.0	35.8	20.5B	17.9B	23
24	15.3B	13.3B	16.9 B	110 B	310E	560 E	147	58.9E	31.3	35.5	20.7B	17.5B	24
25	15.4B	13.2B	16.9 B	113 B	280E	489 A	144	58.9E	31.1	34.9	22.2B	16.9B	25
26	15.4B	13.0B	17.2 B	111 B	275E	436	144	54.8E	30.5	34.9	23.0B	16.5B	26
27	15.7B	13.0B	17.3 B	102 B	260A	370	143	52.8A	30.4	36.1	23.5B	16.0B	27
28	15.7B	12.7B	17.2 B	102	243	317	141	51.0	31.1	36.5	23.5B	15.6B	28
29	15.1B		17.6 B	102	223	276	140	49.2	31.0	37.7	23.2B	15.1B	29
30	14.7B		16.3 B	101 A	205	242	141	47.7	31.2	30.9	23.0B	15.1B	30
31	14.6B		17.5 B		188		140	45.7		22.6		14.6B	31
TOTAL	444.1	380.5	426.93	1 608.8	5 850	5 703.0	4 824	2 877.9	1 021.8	1 102 1	868.9	802.2	TOTAL
MEAN	14.3	13.6	13.8	53.6	221	223	156	88.4	34.1	35.6	22.3	19.4	MEAN
MAX	15.7	14.3	17.6	113	329	565	226	138	44.3	39.7	25.4	23.0	MAX
MIN	13.2	12.7	9.12	15.8	106	90.0	140	45.7	30.0	22.6	18.2	14.6	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 74.8
MAXIMUM DAILY, 565E ON JUN 23
MINIMUM DAILY, 9.12B ON MAR 6
MAXIMUM INSTANTANEOUS,
579A ON JUN 23

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 52 30 N
LONG 115 23 20 W
DRAINAGE AREA, 35 800 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	38 400	JUL	417 000
FEB	32 900	AUG	231 000
MAR	36 900	SEP	88 300
APR	139 000	OCT	95 200
MAY	592 000	NOV	57 800
JUN	579 000	DEC	52 000

TOTAL DISCHARGE, 2 360 000 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS DERIVED FROM HIGH WATER MARK

WABASCA RIVER BELOW TROUT RIVER - STATION NO. 07JB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.47B	7.91B	8.32B	12.4B	24.0	34.8	38.2	76.1	30.0	23.4	20.2B	13.7 B	1
2	9.35B	7.97B	9.08B	12.4B	24.3	33.0	37.1	74.2	29.9	23.5	20.0B	13.6 B	2
3	9.35B	8.14B	9.88B	12.7B	25.3	30.6	35.8	72.4	29.0	24.1	19.7B	13.3 B	3
4	9.33B	8.24B	10.7 B	13.4B	25.8	29.1	35.4	71.2	28.0	23.7	20.0B	12.9 B	4
5	9.22B	8.26B	11.3 B	14.3B	26.4	27.8	36.1	69.8	27.4	23.9	19.8B	12.7 B	5
6	9.05B	8.30B	11.5 B	15.4B	26.7	26.1	36.3	67.8	27.0	23.8	19.6B	12.6 B	6
7	9.12B	8.35B	11.6 B	16.8B	27.5	24.2	36.0	66.1	26.6	23.7	19.4B	12.5 B	7
8	9.16B	8.34B	11.6 B	19.0B	28.0	23.0	34.6	64.8	26.1	24.0	18.4B	11.8 B	8
9	9.29B	8.35B	11.5 B	20.5B	28.4	21.6	33.7	62.9	25.7	24.8	17.0B	11.5 B	9
10	9.40B	8.26B	11.3 B	21.5B	28.7	20.0	33.5	61.2	25.5	23.7	16.5B	11.4 B	10
11	9.44B	8.25B	11.4 B	22.0B	32.0	19.3	33.0	58.9	24.8	23.9	15.8B	10.8 B	11
12	9.45B	8.28B	11.6 B	22.5B	33.6	18.5	32.7	57.1	23.9	23.8	15.9B	10.6 B	12
13	9.27B	8.19B	11.9 B	22.6B	33.5	18.0	33.8	55.2	24.3	23.6	16.9B	11.1 B	13
14	9.28B	8.21B	12.6 B	24.4B	31.9	17.4	35.4	53.2	24.0	23.5	15.7B	11.3 B	14
15	9.29B	8.26B	12.9 B	24.3B	30.6	16.5	41.5	50.9	23.8	23.5	14.8B	11.3 B	15
16	9.07B	8.13B	12.8 B	23.2	30.2	15.6	45.9	48.9	23.5	23.2	14.4B	11.1 B	16
17	9.09B	7.90B	12.8 B	21.7	29.7	15.1	48.9	47.4	23.3	23.1	13.5B	11.0 B	17
18	9.00B	7.72B	12.0 B	21.7	28.6	14.4	55.9	46.0	23.4	23.1	13.0B	11.0 B	18
19	8.93B	7.33B	11.6 B	22.2	27.3	15.9	61.2	44.6	23.5	23.3	12.6B	10.7 B	19
20	8.77B	6.90B	11.8 B	24.3	26.8	19.6	64.8	43.1	23.2	23.2	12.3B	10.4 B	20
21	8.51B	6.63B	11.7 B	25.5	26.7	25.3	67.2	41.5	23.3	23.1	12.2B	10.3 B	21
22	8.33B	6.45B	11.5 B	25.0	29.9	32.1	68.0	40.0	23.1	23.1	12.1B	10.0 B	22
23	8.13B	6.36B	11.0 B	24.9	33.8	35.3	70.5	38.9	22.7	22.9	12.1B	9.94B	23
24	7.91B	6.44B	10.5 B	24.3	35.4	35.8	72.1	37.6	22.8	22.8	12.5B	10.1 B	24
25	7.76B	6.62B	11.2 B	24.4	36.8	36.0	74.5	36.2	22.6	22.7	12.9B	10.1 B	25
26	7.78B	6.93B	11.0 B	23.7	37.6	36.5	76.2	35.4	22.2	22.8	13.1B	10.1 B	26
27	7.89B	7.14B	11.3 B	23.7	38.3	37.5	77.7	34.4	22.2	22.4	13.4B	10.2 B	27
28	7.82B	7.82B	11.9 B	23.9	38.2	38.7	77.8	33.0	22.8	21.8	13.5B	10.1 B	28
29	7.76B		12.5 B	24.3	37.9	39.0	78.2	31.8	23.4	20.8	13.6B	9.93B	29
30	7.75B		12.5 B	24.4	36.8	39.0	77.8	31.1	23.3	21.2	13.7B	9.88B	30
31	7.79B		12.5 B		35.5		77.3	30.2		20.6		9.76B	31
TOTAL	271.89	215.48	355.78	631 5	956.0	798.1	1 629.1	1 581.8	741.2	717.2	484.4	345.71	TOTAL
MEAN	8.77	7.70	11.5	21.1	30.8	26.5	52.6	51.0	24.7	23.1	15.5	11.2	MEAN
MAX	9.47	8.35	12.9	25.5	38.3	39.0	78.2	76.1	30.0	24.8	20.2	13.7	MAX
MIN	7.75	6.36	8.32	12.4	24.0	14.4	32.7	30.2	22.2	20.6	12.1	9.76	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 23.9
MAXIMUM DAILY, 78.2 ON JUL 29
MINIMUM DAILY, 6.36B ON FEB 23
MAXIMUM INSTANTANEOUS,
78.4 AT 23:00 MST ON JUL 28

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 19 27 N
LONG 113 47 10 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	23 500	JUL	141 000
FEB	18 800	AUG	137 000
MAR	30 700	SEP	64 000
APR	54 600	OCT	62 000
MAY	82 600	NOV	40 100
JUN	68 800	DEC	29 800

TOTAL DISCHARGE, 783 000 dam³

WABASH CREEK NEAR PIBROCH - STATION NO. 07BC007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.00 B	2.36	0.212	0.005	0.001	0.300	0.001	0.012	0.506	---	1
2	---	---	1.50 B	1.89 A	0.222	0.001	0.001	0.256	0.001	0.017	0.493	---	2
3	---	---	2.20 B	1.48	0.185	0.001	0.001	0.220	0.001	0.029	0.471A	---	3
4	---	---	2.94 B	1.19	0.175	0.001	0.001	0.205	0.001	0.025	---	---	4
5	---	---	3.06 B	0.946	0.170	0.001	0.001	0.195	0.001	0.022	---	---	5
6	---	---	2.66 B	0.709	0.185	0.001	0.001	0.153	0.001	0.020	---	---	6
7	---	---	3.33 B	0.501	0.313	0.001	0.001	0.120	0.001	0.020	---	---	7
8	---	---	4.58 B	0.368A	0.166	0.001	0.001	0.100	0.001	0.020	---	---	8
9	---	---	4.69 B	0.217	0.250	0.001	0.001	0.078	0.001	0.020	---	---	9
10	---	---	2.99 B	0.154	0.136	0.001	0.001	0.060	0.001	0.020	---	---	10
11	---	---	2.56 B	0.123A	0.092	0.001	0.002	0.044	0.002	0.020	---	---	11
12	---	---	2.03 B	0.132	0.060	0.001	0.002	0.028	0.002	0.020	---	---	12
13	---	---	1.44 B	0.115A	0.194	0.001	0.003	0.020	0.003	0.020	---	---	13
14	---	---	1.16 B	0.117A	0.188	0.001	0.008	0.009	0.003	0.110	---	---	14
15	---	---	0.998B	0.105	0.092	0.001	0.086	0.004	0.002	0.136	---	---	15
16	---	---	1.09 B	0.114	0.055	0.001	0.067	0.002	0.001	0.120	---	---	16
17	---	---	1.56 B	0.111	0.040	0.001	0.198	0.002	0.001	0.145	---	---	17
18	---	---	2.37 B	0.109	0.025	0.001	1.93	0.001	0.002	0.160	---	---	18
19	---	---	2.80 B	0.128	0.033	0.002	1.06	0.001	0.002	0.188	---	---	19
20	---	---	4.58 B	0.119	0.071	0.003	0.519	0.001	0.001	0.190	---	---	20
21	---	---	5.39 B	0.153	0.068	0.003	0.586	0.001	0.002	0.187	---	---	21
22	---	---	4.93 B	0.419	0.078	0.012	0.841	0.001	0.001	0.146	---	---	22
23	---	---	4.30 B	0.349	0.060	0.006	1.15	0.001	0.001	0.152	---	---	23
24	---	---	3.90 B	0.239	0.051	0.003	1.23	0.001	0.004	0.143	---	---	24
25	---	---	3.66 B	0.226	0.053	0.001	1.08	0.001	0.005	0.138	---	---	25
26	---	---	3.99 B	0.225	0.048	0.001	0.891	0.001	0.007	0.130	---	---	26
27	---	---	3.44 B	0.236	0.041	0.001	1.04	0.001	0.009	0.378	---	---	27
28	---	---	3.41 B	0.234	0.037	0.001	0.808	0.001	0.010	0.635	---	---	28
29	---		3.70 B	0.230	0.030	0.001	0.571	0.001	0.010	0.586	---	---	29
30	---		3.83 B	0.217	0.022	0.001	0.439	0.001	0.014	0.567	---	---	30
31	---		2.89 B		0.012		0.360	0.001		0.523	---	---	31
TOTAL	---	---	82.918	13.516	3.354	0.058	12.851	1.801	0.092	4.899	---	---	TOTAL
MEAN	---	---	3.00	0.451	0.108	0.002	0.415	0.058	0.003	0.158	---	---	MEAN
MAX	---	---	5.39	2.36	0.313	0.012	1.93	0.300	0.014	0.635	---	---	MAX
MIN	---	---	0.998	0.105	0.012	0.001	0.001	0.001	0.001	0.012	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.529
MAXIMUM DAILY, 5.39B ON MAR 21
MINIMUM DAILY, 0.001 ON JUN 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 13 27 N
LONG 113 55 26 W
DRAINAGE AREA, 339 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 110
FEB	---	AUG	156
MAR	8 030	SEP	7.95
APR	1 170	OCT	423
MAY	286	NOV	---
JUN	5.01	DEC	---

TOTAL DISCHARGE, 11 200 dam³

WABATAHISK CREEK AT HIGHWAY NO. 676 - STATION NO. 07GH005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.255B	0.705	0.612	0.004	0.099	0.001	0.058	---	---	1
2	---	---	0.001B	0.084B	0.658	0.429	0.004	0.086	0.002	0.039	---	---	2
3	---	---	0.005B	0.260B	0.920	0.279	0.002	0.069	0.002	0.036	---	---	3
4	---	---	0.010B	0.621B	1.18	0.213	0.001	0.055	0.001	0.057	---	---	4
5	---	---	0.005B	0.677B	1.79	0.179	0.003	0.044	0.001	0.048	---	---	5
6	---	---	0.003B	0.850B	2.64	0.154	0.002	0.044	0.002	0.047	---	---	6
7	---	---	0.002B	1.37 B	1.90	0.123	0.002	0.045	0.001	0.062	---	---	7
8	---	---	0.001B	1.76 B	1.72	0.118	0.001	0.033	0.002	0.083	---	---	8
9	---	---	0.001B	2.33 B	1.49	0.096	0.001	0.028	0.002	0.081	---	---	9
10	---	---	0.001B	1.80 B	1.29	0.082	0.001	0.012	0.001	0.093	---	---	10
11	---	---	0.001B	0.890B	1.13	0.073	0.001	0.008	0.002	0.086	---	---	11
12	---	---	0.001B	1.14 B	1.00	0.071	0.001	0.008	0.002	0.071	---	---	12
13	---	---	0.001B	1.10 B	1.12	0.058	0.009	0.004	0.002	0.060	---	---	13
14	---	---	0.001B	0.663B	2.59	0.058	0.018	0.003	0.001	0.047	---	---	14
15	---	---	0.001B	0.579B	3.38	0.071	0.232	0.001	0.001	0.046	---	---	15
16	---	---	0.001B	0.558B	2.73	0.055	1.23	0.001	0.001	0.034	---	---	16
17	---	---	0.002B	1.20 B	2.04	0.032	1.59	0.001	0.001	0.037	---	---	17
18	---	---	0.005B	2.66 B	1.53	0.028	1.83	0.001	0.001	0.028	---	---	18
19	---	---	0.010B	2.70 E	1.25	0.032	0.911	0.001	0.001	0.019	---	---	19
20	---	---	0.030B	3.10 E	1.17	0.023	0.544	0.001	0.001	0.018	---	---	20
21	---	0B	0.050B	3.64 A	1.16	0.042	0.336	0.001	0.001	0.017	---	---	21
22	---	0B	0.040B	5.25	2.72	0.034	0.199	0.001	0.001	0.017	---	---	22
23	---	0B	0.035B	3.98	2.71	0.032	0.141	0.001	0.003	0.021	---	---	23
24	---	0B	0.030B	3.01	2.09	0.023	0.348	0.001	0.007	0.022	---	---	24
25	---	0B	0.128B	2.32	1.46	0.011	0.381	0.001	0.002	0.022	---	---	25
26	---	0B	0.240B	1.68	1.29	0.010	0.288	0.001	0.002	0.021	---	---	26
27	---	0B	0.404B	1.29	1.15	0.012	0.316	0.001	0.036	0.018A	---	---	27
28	---	0B	0.495B	1.02	0.855	0.009	0.214	0.001	0.041	0.016E	---	---	28
29	---		0.411B	0.810	0.581	0.006	0.187	0.001	0.048	0.014E	---	---	29
30	---		0.432B	0.810	0.620	0.004	0.148	0.001	0.082	0.012E	---	---	30
31	---		0.265B		0.556		0.124	0.001		0.010E	---	---	31
TOTAL	---	---	2.612	48.407	47.565	2.971	8.819	0.853	0.251	1.240	---	---	TOTAL
MEAN	---	---	0.084	1.61	1.53	0.099	0.284	0.018	0.008	0.040	---	---	MEAN
MAX	---	---	0.495	5.25	3.38	0.812	1.83	0.099	0.082	0.093	---	---	MAX
MIN	---	---	0	0.084	0.556	0.004	0.001	0.001	0.001	0.010	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.858
MAXIMUM DAILY, 5.25 ON APR 22
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
5.09 AT 03:30 MST ON APR 22

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 25 30 N
LONG 117 21 30 W
DRAINAGE AREA, 127 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	762
FEB	---	AUG	47.8
MAR	226	SEP	21.7
APR	4 180	OCT	107
MAY	4 110	NOV	---
JUN	267	DEC	---

TOTAL DISCHARGE, 9 710 dam³

MAINSCOTT COULEE NEAR BROWNVALE - STATION NO. 07FD014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.40 B	0.168	0.051	0	0.008	0	0	---	---	1
2	---	---	0 B	1.00 B	0.168	0.042	0	0.005	0	0	---	---	2
3	---	---	0 B	2.50 A	0.170	0.035	0	0.004	0	0	---	---	3
4	---	---	0 B	2.91	0.172	0.034	0	0.003	0	0	---	---	4
5	---	---	0 B	3.05	0.180	0.032	0	0.003	0	0	---	---	5
6	---	---	0 B	2.53	0.165	0.026	0	0.001	0	0	---	---	6
7	---	---	0 B	1.50	0.132	0.025	0	0	0	0	---	---	7
8	---	---	0 B	1.22	0.123	0.024	0	0	0	0	---	---	8
9	---	---	0 B	0.666	0.110	0.023E	0	0	0	0	---	---	9
10	---	---	0 B	0.303	0.105	0.021E	0	0	0	0	---	---	10
11	---	---	0 B	0.1308	0.100	0.017E	0	0	0	0	---	---	11
12	---	---	0 B	0.0908	0.100	0.012E	0	0	0	0	---	---	12
13	---	---	0 B	0.0788	0.143	0.006E	0	0	0	0	---	---	13
14	---	---	0 B	0.0758	0.247	0.007E	0.010	0	0	0	---	---	14
15	---	---	0 B	0.0688	0.224	0.006E	0.036	0	0	0	---	---	15
16	---	---	0 B	0.2118	0.179	0.005E	0.033	0	0	0	---	---	16
17	---	00	0 B	1.39	0.161	0.005E	0.044	0	0	0	---	---	17
18	---	00	0 B	1.52	0.149	0.004	0.048	0	0	0	---	---	18
19	---	00	0 B	0.782	0.142	0.004	0.037	0	0	0	---	---	19
20	---	00	0 B	0.592	0.126	0.003	0.030	0	0	0	---	---	20
21	---	00	0 B	0.437	0.117	0.003	0.024	0	0	0	---	---	21
22	---	00	0 B	0.317	0.122	0.003	0.024	0	0	0	---	---	22
23	---	00	0 B	0.253	0.129	0.001	0.021	0	0	0	---	---	23
24	---	00	0 B	0.213	0.124	0.001	0.019	0	0	0	---	---	24
25	---	00	0 0100	0.184	0.117	0.001	0.019	0	0	0	---	---	25
26	---	00	0 0400	0.173	0.116	0	0.018	0	0	0	---	---	26
27	---	00	0 1000	0.164	0.100	0	0.015	0	0	0	---	---	27
28	---	00	0 2000	0.156	0.087	0	0.015	0	0	0	---	---	28
29	---		1 50 B	0.148	0.080	0	0.014	0	0	0	---	---	29
30	---		2 50 B	0.154	0.069	0	0.011	0	0	0	---	---	30
31	---		2 05 B		0.055		0.010	0		0		---	31
TOTAL	---	---	6.440	24.256	4.153	0.385	0.426	0.024	0	0	---	---	TOTAL
MEAN	---	---	0.208	0.809	0.134	0.013	0.014	0.001	0	0	---	---	MEAN
MAX	---	---	2.50	3.05	0.247	0.051	0.048	0.008	0	0	---	---	MAX
MIN	---	---	0	0.055	0.055	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.148
MAXIMUM DAILY 3.05 ON APR 5
MINIMUM DAILY 00 ON MAR 1
MAXIMUM INSTANTANEOUS
3.63 AT 04 00 MST ON APR 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 37 N
LONG 117 56 00 W
DRAINAGE AREA 149 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	37 0
FEB	---	AUG	2 07
MAR	956	SEP	0
APR	2 100	OCT	0
MAY	359	NOV	---
JUN	34 1	DEC	---

TOTAL DISCHARGE 3 050 dam³

MAIPAROUS CREEK NEAR THE MOUTH - STATION NO. 05BE006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.4750	0.4340	0.7200	0.653	0.657	4.62	4.82	4.72	1.66	5.56	2.38	1.35 B	1
2	0.4600	0.4300	0.7500	0.636	0.727	4.31	4.05	4.24A	1.63	5.99	2.94	1.32 A	2
3	0.4500	0.4250	0.8405	0.641	1.16	3.87	3.60	4.45E	1.96	5.45	2.72	1.28 B	3
4	0.4450	0.4220	0.8205	0.708	2.36	3.36	3.24	4.62E	2.04	5.65	2.60	1.25 B	4
5	0.4400	0.4200	0.7778	0.860	3.33	3.25	3.13	4.50E	2.77	6.25	2.54	1.22 B	5
6	0.4400	0.4180	0.8008	1.01	3.85	3.65	2.88	4.10E	2.42	6.50	2.53	1.19 B	6
7	0.4400	0.4120	0.8608	1.11	3.45	4.25	2.77	3.65E	2.24	6.39	2.27	1.17 B	7
8	0.4420	0.4070	0.8868	1.23	3.31	7.62	2.75	3.30E	2.19	7.50	1.53	1.15 B	8
9	0.4420	0.4020	0.9008	1.32	3.20	5.79	2.53	3.05E	2.23	6.71	0.8198	1.13 B	9
10	0.4420	0.4000	0.9108	1.01	3.17	4.69	2.69	3.02E	2.14	6.01	0.8708	1.12 B	10
11	0.4450	0.3980	0.9208	0.712	3.14	4.31	2.73	3.00A	2.35	5.34	0.7208	1.11 B	11
12	0.4550	0.3960	0.9288	0.632	3.25	3.86	2.87	2.91	2.41	5.13	0.7708	1.09 B	12
13	0.4608	0.3930	0.9308	0.7848	3.07	3.44	4.21	3.70	2.24	4.89	0.8308	1.07 B	13
14	0.4628	0.3908	0.9208	0.7748	2.86	3.31	3.33	3.44	2.29	4.69	0.9008	1.05 B	14
15	0.4650	0.3888	0.9158	0.861	2.66	4.21	3.81	3.12	2.31	4.61	0.9708	1.05 B	15
16	0.4628	0.3848	0.9188	0.885	2.19	3.53	6.01	2.81	2.81	4.47	1.00 B	1.04 B	16
17	0.4638	0.3828	0.9308	0.912	6.88	3.19	32.0	2.63	5.10	4.42	0.8508	1.03 B	17
18	0.4608	0.3808	0.9428	0.875	5.44	3.32	22.5	2.49	4.80	4.33	0.8008	1.01 B	18
19	0.4558	0.3788	0.9608	1.15	4.97	3.08	16.8	2.35	4.40	3.86	0.7408	0.9908	19
20	0.4458	0.3808	0.9708	1.87	5.07	2.67	15.2	2.30	4.40	3.93	0.8008	0.9708	20
21	0.4428	0.3928	0.9858	2.04	5.85	2.54	9.86	2.19	3.79	3.63	1.12 B	0.9408	21
22	0.4408	0.4088	0.9908	1.76	7.19	2.42	7.30	2.10	3.36	3.74	1.27 B	0.9108	22
23	0.4458	0.4258	0.9208	1.43	5.28	2.38	6.13	2.04	3.23	3.46	1.62 B	0.8608	23
24	0.4558	0.4608	0.8318	1.06	4.73	2.67	6.01	2.07	3.15	3.37	1.66 B	0.8508	24
25	0.4708	0.4858	0.8658	0.855	7.02	2.50	5.66	2.31	6.38	3.28	1.62 B	0.8308	25
26	0.4728	0.5308	0.9538	0.835	11.7	2.37	5.88	2.04	10.2	3.24	1.58 B	0.8108	26
27	0.4658	0.5808	0.808	0.845	15.2	2.61	5.87	1.91	8.05	3.21	1.53 B	0.7808	27
28	0.4558	0.6408	1.26	0.831	12.0	2.42	5.15	1.81	6.91	3.07	1.47 B	0.7608	28
29	0.4428		1.22	0.767	7.68	13.3	5.10	1.76	5.73	2.88	1.43 B	0.7408	29
30	0.4408		0.926	0.700	5.02	7.33	5.64	2.00	5.11	2.86	1.38 B	0.7108	30
31	0.4378		0.770		4.86		5.21	2.07		2.86		0.6908	31
TOTAL	14.010	11.858	20.525	29.506	151.874	120.54	221.80	90.70	112.56	148.35	44.148	31.500	TOTAL
MEAN	0.452	0.427	0.662	0.984	4.80	4.02	7.15	2.83	3.75	4.78	1.47	1.02	MEAN
MAX	0.475	0.640	1.26	2.04	15.2	13.3	32.0	4.72	10.2	8.50	2.94	1.35	MAX
MIN	0.437	0.378	0.480	0.632	0.657	2.37	2.73	1.76	1.63	2.86	0.819	0.690	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 2.73
MAXIMUM DAILY 32.0 ON JUL 17
MINIMUM DAILY 0.3788 ON FEB 19
MAXIMUM INSTANTANEOUS
43.2 AT 17 16 MST ON JUL 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 16 58 N
LONG 114 50 15 W
DRAINAGE AREA 234 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 210	JUL	19 200
FEB	1 030	AUG	7 840
MAR	1 770	SEP	6 720
APR	2 550	OCT	12 800
MAY	13 100	NOV	3 810
JUN	10 400	DEC	2 720

TOTAL DISCHARGE 86 200 dam³

WAMPUS CREEK NEAR HINTON - STATION NO. 07AF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.152B	0.205B	0.479	0.280	0.473	0.173	0.327	0.176B	---	1
2	---	---	---	0.148B	0.170B	0.424	0.243	0.424	0.176	0.557	0.174B	---	2
3	---	---	---	0.095B	0.343B	0.368	0.219	0.287	0.186	0.855	0.176B	---	3
4	---	---	---	0.080B	0.560B	0.330	0.206	0.356	0.243	0.909	0.176B	---	4
5	---	---	---	0.100B	0.827B	0.315	0.327	0.341	0.368	1.09	0.166B	---	5
6	---	---	---	0.149B	1.17 B	0.420	0.383	0.323	0.261	0.979	---	---	6
7	---	---	---	0.175B	1.24 B	0.391	0.478	0.283	0.217	0.854	---	---	7
8	---	---	---	0.220B	0.878	0.326	0.610	0.279	0.201	0.870	---	---	8
9	---	---	---	0.240B	0.733	0.284	0.917	0.285	0.192	0.711	---	---	9
10	---	---	---	0.190B	0.740	0.282	0.796	0.347	0.218	0.622	---	---	10
11	---	---	---	0.094B	0.796	0.364	0.612	0.285	0.400	0.542	---	---	11
12	---	---	---	0.070B	0.674	0.328	0.567	0.263	0.322	0.509	---	---	12
13	---	---	---	0.080B	0.525	0.281	0.502	0.247	0.299	0.461	---	---	13
14	---	---	---	0.101B	0.456	0.264	0.447	0.223	0.276	0.431	---	---	14
15	---	---	---	0.102B	0.426	0.304	0.619	0.209	0.283	0.398	---	---	15
16	---	---	---	0.103B	0.844	0.269	2.70	0.201	0.284	0.367	---	---	16
17	---	---	---	0.126B	0.777	0.248	5.59	0.197	0.246	0.336	---	---	17
18	---	---	---	0.184B	0.891	0.235	5.49	0.190	0.734	0.317	---	---	18
19	---	---	---	0.440B	0.861	0.279	3.02	0.222	0.223	0.302	---	---	19
20	---	---	---	0.630B	0.844	0.251	1.94	0.212	0.214	0.289	---	---	20
21	---	---	---	0.824B	0.869	0.222	1.43	0.184	0.206	0.274	---	---	21
22	---	---	---	0.556B	0.850	0.211	1.19	0.189	0.200	0.261	---	---	22
23	---	---	---	0.346B	1.11	0.204	1.22	0.183	0.188	0.248	---	---	23
24	---	---	---	0.238B	1.03	0.194	1.10	0.180	0.183	0.240	---	---	24
25	---	---	---	0.362B	0.862	0.184	0.862	0.195	0.305	0.230	---	---	25
26	---	---	0.051B	0.358B	0.810	0.179	0.820	0.186	0.670	0.225	---	---	26
27	---	---	0.076B	0.335B	0.777	0.174	0.695	0.183	0.481	0.218	---	---	27
28	---	---	0.090B	0.317B	0.729	0.177	0.654	0.177	0.417	0.202	---	---	28
29	---		0.105B	0.260B	0.657	0.203	0.788	0.174	0.453	0.189	---	---	29
30	---		0.135B	0.252B	0.564	0.269	0.810	0.176	0.591	0.186	---	---	30
31	---		0.150B		0.526		0.528	0.173		0.175B		---	31
TOTAL	---	---	---	7.397	21.698	8.516	37.945	7.620	8.668	14.187	---	---	TOTAL
MEAN	---	---	---	0.246	0.700	0.284	1.22	0.246	0.289	0.457	---	---	MEAN
MAX	---	---	---	0.824	1.24	0.479	5.59	0.473	0.591	1.09	---	---	MAX
MIN	---	---	---	0.070	0.170	0.174	0.206	0.173	0.173	0.169	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.485
MAXIMUM DAILY, 5.59 ON JUL 17
MINIMUM DAILY, 0.070B ON APR 12
MAXIMUM INSTANTANEOUS,
11.9 AT 21:23 MST ON JUL 17

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 08 22 N
LONG 117 16 40 W
DRAINAGE AREA, 25.4 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	3 280
FEB	---	AUG	658
MAR	---	SEP	749
APR	639	OCT	1 220
MAY	1 870	NOV	---
JUN	736	DEC	---

TOTAL DISCHARGE, 9 160 dam³

WANDERING RIVER NEAR WANDERING RIVER - STATION NO. 07CA006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.164B	0.107B	0.081B	0.123B	4.84	5.65	3.10	17.7	1.29	0.468	0.465	0.355B	1
2	0.163B	0.106B	0.081B	0.120B	4.37	5.46	2.81	16.3	1.28	0.460	0.477	0.343B	2
3	0.161B	0.105B	0.084B	0.150B	4.61	4.75	2.70	14.7	1.28	0.450	0.496	0.336B	3
4	0.159B	0.104B	0.084B	0.168B	4.65	4.26	2.69	13.5	1.07	0.481	0.494	0.328B	4
5	0.158B	0.103B	0.087B	0.221	4.63	4.09	2.80	12.2	0.970	0.462	0.492	0.320B	5
6	0.156B	0.102B	0.086B	0.264	4.51	3.88	2.40	11.2	0.865	0.562	0.462B	0.315B	6
7	0.155B	0.102B	0.084B	0.323	4.47	3.27	2.31	10.2	0.813	0.505	0.465B	0.310B	7
8	0.153B	0.101B	0.080B	0.438	4.80	3.16	2.26	9.45	0.765	0.451	0.460B	0.305B	8
9	0.151B	0.101B	0.076B	0.765	4.74	2.73	2.57	8.51	0.700	0.651	0.473B	0.302B	9
10	0.148B	0.100B	0.076B	1.20	4.94	2.42	2.67	7.77	0.674	0.619	0.465B	0.300B	10
11	0.146B	0.100B	0.075B	1.83	4.80	2.60	2.81	7.19	0.680	0.486	0.458B	0.297B	11
12	0.144B	0.099B	0.075B	2.09	5.00	2.33	3.17	6.72	0.589	0.476	0.450B	0.285B	12
13	0.142B	0.098B	0.074B	2.59	5.11	2.31	3.55	6.12	0.633	0.483	0.443B	0.283B	13
14	0.140B	0.097B	0.074B	2.94	5.39	2.26	3.84	5.71	0.672	0.487	0.440B	0.290B	14
15	0.138B	0.095B	0.074B	3.30	5.37	2.20	4.66	5.17	0.672	0.487	0.424B	0.272B	15
16	0.136B	0.097B	0.074B	3.28	4.74	2.18	5.79	4.60	0.682	0.497	0.419B	0.265B	16
17	0.134B	0.096B	0.076B	3.28	4.57	2.19	8.21	4.35	0.673	0.504	0.401B	0.251B	17
18	0.132B	0.095B	0.075B	3.28	4.53	2.10	12.2	4.09	0.634	0.468	0.395B	0.241B	18
19	0.130B	0.094B	0.075B	3.27	4.38	2.24	16.3	3.89	0.606	0.467	0.396B	0.243B	19
20	0.128B	0.093B	0.072B	3.45	4.00	2.30	21.6	3.62	0.393	0.465	0.420B	0.236B	20
21	0.126B	0.092B	0.080B	3.77	4.34	2.30	27.8	3.32	0.372	0.505	0.441B	0.228B	21
22	0.124B	0.090B	0.081B	4.03	4.61	2.36	32.6	2.88	0.382	0.474	0.429B	0.221B	22
23	0.122B	0.088B	0.078B	4.28	4.61	2.67	35.7	2.75	0.330	0.468	0.420B	0.230B	23
24	0.120B	0.086B	0.079B	4.53	4.70	3.13	35.7	2.69	0.272	0.470	0.426B	0.228B	24
25	0.118B	0.084B	0.080B	4.66	5.54	3.46	34.2	2.32	0.300	0.471	0.427B	0.230B	25
26	0.116B	0.083B	0.090B	4.66	6.16	3.77	31.4	2.18	0.361	0.478	0.417B	0.220B	26
27	0.114B	0.082B	0.110B	4.63	7.00	3.78	28.3	1.83	0.394	0.552	0.402B	0.218B	27
28	0.112B	0.081B	0.122B	4.76	7.09	3.78	25.4	1.83	0.431	0.485	0.386B	0.217B	28
29	0.110B		0.112B	4.86	7.10	3.58	23.0	1.70	0.431	0.455	0.379B	0.217B	29
30	0.108B		0.110B	4.86	6.76	3.48	21.0	1.65	0.462	0.512	0.365B	0.219B	30
31	0.106B		0.117B		6.27		19.3	1.61		0.458		0.210B	31
TOTAL	4.216	2.666	2.633	77.012	159.08	94.75	423.76	187.61	18.397	15.170	13.164	8.336	TOTAL
MEAN	0.136	0.095	0.085	2.57	5.10	3.16	13.6	6.05	0.613	0.490	0.439	0.269	MEAN
MAX	0.164	0.107	0.122	4.86	7.10	5.65	35.7	17.7	1.29	0.651	0.496	0.355	MAX
MIN	0.106	0.081	0.074	0.123	4.00	2.10	2.31	1.61	0.272	0.450	0.364	0.210	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.78
MAXIMUM DAILY, 35.7 ON JUL 23
MINIMUM DAILY, 0.074B ON MAR 12
MAXIMUM INSTANTANEOUS,
36.0 AT 10:36 MST ON JUL 23

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 11 57 N
LONG 112 27 54 W
DRAINAGE AREA, 1 110 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	364	JUL	36 600
FEB	232	AUG	16 200
MAR	227	SEP	1 590
APR	6 730	OCT	1 310
MAY	13 700	NOV	1 140
JUN	8 190	DEC	720

TOTAL DISCHARGE, 87 800 dam³

WAPITI RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	14.80	11.1 B	13.20	21.60	70.9	615	200	105	35.7	165	31.10	19.80	1
2	15.40	10.6 B	19.20	20.80	60.5	594	192	95.8	34.5	120	34.80	19.00	2
3	15.80	11.2 B	27.20	28.50	58.2	497	201	90.9	35.7	112	44.70	17.20	3
4	15.70	12.0 B	27.20	28.50	64.1	396	180	89.0	45.3	103	46.00	14.30	4
5	14.60	11.7 B	32.60	31.70	126	358	169	85.4	52.7	123	50.20	13.10	5
6	14.20	10.9 B	25.80	32.20	185	372	234	76.7	69.8	150	53.80	12.90	6
7	13.30	10.2 B	20.60	33.40	163	416	276	73.5	59.7	159	34.20	12.40	7
8	13.60	10.4 B	18.00	35.00	185	402	288	69.5	50.5	145	13.00	14.70	8
9	13.70	10.4 B	16.30	50.00	168	381	245	67.5	44.5	120	11.70	17.80	9
10	14.40	10.2 B	16.20	60.00	150	348	218	64.1	40.9	118	10.70	19.80	10
11	14.50	9.890	16.80	56.20	141	360	186	59.5	36.6	102	12.80	19.20	11
12	16.80	10.2 B	16.80	63.10	127	335	78	55.4	40.5	93.2	13.80	16.20	12
13	16.80	10.3 B	16.00	34.20	116	270	156	52.7	39.6	83.2	15.80	16.00	13
14	15.20	10.3 B	16.60	34.00	120	248	137	51.5	38.1	76.8	17.80	16.80	14
15	15.70	10.1 B	16.20	34.20	111	259	129	51.1	36.9	71.2	23.70	16.70	15
16	15.30	9.740	16.00	32.80	100	486	157	49.1	36.2	67.2	25.80	16.80	16
17	14.80	9.680	15.40	36.20	100	400	288	45.0	36.2	63.0	25.40	16.80	17
18	14.40	9.500	15.50	45.70	115	353	460	42.3	35.5	59.6	22.30	17.40	18
19	14.10	8.990	14.50	60.00	164	320	520	60.3	35.4	56.4	18.20	17.80	19
20	13.90	8.900	15.60	80.3	222	294	398	41.3	35.3	53.8	16.00	16.70	20
21	13.50	9.030	17.10	75.0	272	265	326	41.9	33.8	51.2	15.80	15.00	21
22	13.30	9.230	21.70	98.4	266	223	276	38.7	32.7	60.1	15.30	13.40	22
23	11.60	9.220	28.90	97.2	232	222	251	37.1	31.5	67.3	17.80	12.60	23
24	10.60	9.110	24.10	82.5	204	331	261	36.1	30.9	45.3	20.10	15.80	24
25	10.60	9.170	30.90	75.00	200	311	237	36.0	32.0	43.8	26.00	16.50	25
26	10.20	9.490	21.50	70.00	294	253	201	38.2	39.7	42.8	26.80	15.40	26
27	11.30	9.980	26.20	67.00	468	205	177	38.5	80.5	42.8	24.90	14.60	27
28	13.00	10.3 B	30.90	65.50	612	185	156	36.4	103	45.7	21.80	14.60	28
29	12.90		41.20	71.1	616	180	149	35.6	91.3	55.7	19.20	14.30	29
30	13.00		36.40	80.5	606	184	135	35.5	112	55.5	19.00	13.70	30
31	12.90		34.50		616		117	30.4		44.40		13.20	31
TOTAL	426.0	282.13	698.2	1 592.7	6 941.8	10 049	7 059	1 721.5	1 430.5	2 556.0	722.7	497.8	TOTAL
MEAN	13.7	10.1	22.5	53.1	224	335	228	55.5	47.7	82.5	24.1	16.1	MEAN
MAX	16.8	12.0	41.2	98.4	616	615	520	105	112	159	53.8	19.8	MAX
MIN	10.2	8.90	13.2	29.5	58.2	180	117	29.5	30.9	42.8	10.7	12.4	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 93.1
MAXIMUM DAILY, 616 ON MAY 29
MINIMUM DAILY, 8.900 ON FEB 20
MAXIMUM INSTANTANEOUS,
657 AT 18:00 MST ON MAY 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 04 30 N
LONG 118 48 10 W
DRAINAGE AREA, 11 300 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	36 800	JUL	610 000
FEB	24 400	AUG	149 000
MAR	60 300	SEP	124 000
APR	138 000	OCT	221 000
MAY	600 000	NOV	62 400
JUN	868 000	DEC	43 000

TOTAL DISCHARGE, 2 940 000 dam³

WARE COULEE ABOVE MATZHIWIN CREEK - STATION NO. 05CJ006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.081	0.236	1.79	1.79	1.76	1.80	0.0290	---	1
2	---	---	---	---	0.073	0.022	1.89	1.79	1.89	2.26	0.0140	---	2
3	---	---	---	---	0.081	0.140	1.07	2.12	2.27	1.04	0.0210	---	3
4	---	---	---	---	0.069	0.025	1.22	2.06	1.64	0.841	0.0220	---	4
5	---	---	---	---	0.214	0.140	1.95	1.65	1.54	0.742	0.0250	---	5
6	---	---	---	---	0.179	0.823	2.47	1.50	1.34	0.871	0.0230	---	6
7	---	---	---	---	0.122	1.15	2.26	1.61	1.20	1.48	0.0710	---	7
8	---	---	---	---	0.087	1.80	1.96	1.62	1.18	1.52	0.0710	---	8
9	---	---	---	---	0	2.02	0.578	2.00	1.25	1.35	0.0710	---	9
10	---	---	---	---	0	1.35	1.80	2.19	1.10	1.49	0.0710	---	10
11	---	---	---	---	0.054	0.037	1.40	2.21	1.14	1.29	0.0700	---	11
12	---	---	---	---	0.285	0.766	1.19	1.86	1.45	1.20	0.0700	---	12
13	---	---	---	---	0.264	0.616	0.834	1.13	1.63	1.16	0.0690	---	13
14	---	---	---	---	0.445	0.520	0.564	1.23	1.62	1.05	0.0690	---	14
15	---	---	---	---	0.762	0.310	0.532	1.23	1.69	0.954	0.0680	---	15
16	---	---	---	---	0.587	0.391	0.514	1.22	1.82	1.18	0.0670	---	16
17	---	---	---	---	0.202	0.063	0.956	1.26	1.52	1.18	0.0660	---	17
18	---	---	---	---	0.300	0.272	1.66	1.34	0.715	1.04	0.0650	---	18
19	---	---	---	---	0.222	1.23	1.50	0.980	0.150	0.930	0.0640	---	19
20	---	---	---	---	0.162	1.28	1.81	0.786	0.212	0.815	0.0630	---	20
21	---	---	---	---	0.003	1.29	1.86	0.914	0.950	1.01	0.0610	---	21
22	---	---	---	---	0.063	1.44	0.693	0.486	0.919	0.029	0.0580	---	22
23	---	---	---	---	0.615	1.31	0.897	0.485	0.899	0.308	0.0570	---	23
24	---	---	---	---	1.19	1.18	0.901	0.473	0.893	0.182	0.0560	---	24
25	---	---	---	---	0.784	1.60	1.07	0.863	2.93	0.053	0.0540	---	25
26	---	---	---	---	0.553	1.12	1.02	0.899	4.16	0.002	0.0520	---	26
27	---	---	---	---	0.090	0.526	2.32	1.00	1.26	0	0.0510	---	27
28	---	---	---	0.095A	0.646	0.521	3.01	1.19	0.936	0	0.0490	---	28
29	---		---	0.097	0.223	1.13	1.78	1.80	1.03	0	0.0480	---	29
30	---		---	0.094	0.010	2.06	1.89	1.86	1.44	0	0.0470	---	30
31	---		---		0.020		1.70	1.76		0		---	31
TOTAL	---	---	---	---	8.757	26.027	45.440	42.566	42.666	26.572	1.623	---	TOTAL
MEAN	---	---	---	---	0.282	0.868	1.47	1.37	1.42	0.857	0.054	---	MEAN
MAX	---	---	---	---	1.19	2.06	3.01	2.21	4.16	2.26	0.071	---	MAX
MIN	---	---	---	---	0	0.022	0.514	0.465	0.150	0	0.014	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.04
MAXIMUM DAILY, 4.16 ON SEP 26
MINIMUM DAILY, 0 ON MAY 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 47 45 N
LONG 111 46 55 W
DRAINAGE AREA, 93.0 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	3 930
FEB	---	AUG	3 680
MAR	---	SEP	3 690
APR	---	OCT	2 300
MAY	757	NOV	140
JUN	2 250	DEC	---

TOTAL DISCHARGE, 16 800 dam³

WASKAHIGAN RIVER NEAR THE MOUTH - STATION NO. 07GG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.697B	0.380B	0.420B	2.170	22.9	9.20	2.91	3.92	0.739	8.81	1.69 B	0.832B	1
2	0.610B	0.380B	0.500B	2.900	18.8	8.46	2.74	3.55	0.813	10.8	1.72 B	0.624B	2
3	0.627B	0.380B	0.495B	3.150	19.2	7.04	2.80	3.16	0.808	9.89	2.40 B	0.543B	3
4	0.641B	0.380B	0.524B	3.460	20.7	6.50	2.51	2.84	0.880	9.46	2.10 B	0.570B	4
5	0.641B	0.400B	0.560B	3.770	25.8	5.90	2.50	2.62	0.897	10.5	1.83 B	0.564B	5
6	0.648B	0.400B	0.590B	4.030	22.5	5.91	3.70	2.41	0.971	11.2	1.39 B	0.571B	6
7	0.634B	0.410B	0.572B	5.070	27.5	5.12	3.70	2.21	1.05	10.3	0.746B	0.573B	7
8	0.627B	0.420B	0.638B	7.430	33.2	6.71	4.20	2.03	1.03	8.61	0.982B	0.676B	8
9	0.614B	0.430B	0.415B	5.210	22.3	6.40	4.09	1.84	0.986	7.23	0.732B	0.855B	9
10	0.560B	0.401B	0.458B	5.600	18.2	6.05	3.90	1.73	0.964	6.34	0.634B	0.936B	10
11	0.560B	0.380B	0.470B	7.500	18.5	6.67	4.27	1.60	1.07	5.59	0.671B	0.940B	11
12	0.572B	0.380B	0.456B	5.830	18.1	5.20	4.54	1.51	1.10	4.89	0.900B	0.878B	12
13	0.586B	0.380B	0.495B	6.030	16.7	5.10	4.88	1.41	1.21	4.51	0.602B	0.816B	13
14	0.614B	0.375B	0.455B	5.800	16.7	5.64	5.70	1.27	1.30	4.15	0.787B	0.669B	14
15	0.641B	0.385B	0.500B	5.700	17.0	5.76	7.20	1.17	1.37	3.90	0.780B	0.713B	15
16	0.606B	0.400B	0.475B	7.30	18.3	8.61	10.5	1.09	1.32	3.59	0.866B	0.815B	16
17	0.402B	0.380B	0.485B	13.0	15.2	12.2	24.8	1.02	1.28	3.38	1.05 B	0.853B	17
18	0.378B	0.381B	0.538B	20.7	14.4	10.8	28.8	0.951	1.23	3.23	1.13 B	0.899B	18
19	0.500B	0.395B	0.641B	30.3	14.1	8.06	26.2	0.914	1.18	3.28	1.18 B	0.860B	19
20	0.564B	0.403B	0.732B	33.0	13.6	6.30	24.9	0.890	1.13	2.91	1.11 B	0.840B	20
21	0.516B	0.375B	0.833B	30.1	13.4	5.84	16.0	0.889	1.09	2.82	1.07 B	0.824B	21
22	0.495B	0.370B	0.912B	27.1	22.3	5.82	12.2	0.854	1.05	2.73	0.988B	0.816B	22
23	0.480B	0.360B	0.725B	22.7	34.8	5.11	10.2	0.840	1.03	2.62	1.04 B	0.824B	23
24	0.455B	0.360B	0.700B	19.3	30.1	4.70	10.2	0.838	0.988	2.50	1.22 B	0.864B	24
25	0.420B	0.385B	1.74 B	18.4	23.9	4.51	8.83	0.829	1.06	2.42	1.24 B	0.977B	25
26	0.390B	0.400B	2.10 B	16.7	18.8	4.16	7.20	0.808	1.34	2.37	1.04 B	0.954B	26
27	0.410B	0.400B	2.35 B	16.1	16.6	3.75	5.60	0.791	2.83	2.33	1.08 B	0.894B	27
28	0.305B	0.380B	2.80 B	13.9	14.6	3.54	5.71	0.781	5.33	2.30	1.08 B	0.887B	28
29	0.305B		2.92 B	22.1	13.1	3.28	5.20	0.778	5.71	2.28	1.15 B	0.920B	29
30	0.305B		3.12 B	20.5	12.2	3.09	4.60	0.781	6.83	2.15	1.07 B	0.893B	30
31	0.300B		3.21 B		11.6		4.22	0.739		2.020		0.792B	31
TOTAL	16.960	10.684	31.760	408.12	635.2	183.80	281.72	47.033	48.696	159.44	34.389	24.782	TOTAL
MEAN	0.546	0.380	1.02	13.5	20.3	6.10	9.09	1.52	1.62	5.14	1.15	0.799	MEAN
MAX	0.697	0.435	3.21	33.0	33.8	12.2	28.8	3.92	6.83	11.2	2.40	0.977	MAX
MIN	0.300	0.360	0.415	2.86	11.6	3.08	2.51	0.739	0.739	2.03	0.602	0.543	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.12
MAXIMUM DAILY, 36.2 ON JUL 18
MINIMUM DAILY, 0.3000 ON FEB 17
MAXIMUM INSTANTANEOUS,
48.1 AT 18:30 MST ON APR 20

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 05 03 N
LONG 117 12 20 W
DRAINAGE AREA, 1 000 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 460	JUL	24 300
FEB	941	AUG	4 070
MAR	2 740	SEP	4 210
APR	35 000	OCT	13 800
MAY	54 000	NOV	2 970
JUN	15 800	DEC	2 140

TOTAL DISCHARGE, 161 000 dam³

WASKASOO CREEK AT RED DEER - STATION NO. 05CC011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	3.12 B	0.170B	0.026	0.235E	0.033E	1.18	0.446E	1.71	0.174	---	1
2	---	---	2.85 B	0.151B	0.037	0.169E	0.021	1.27	0.812	1.70	0.171	---	2
3	---	---	2.84 B	0.160B	0.167E	0.135	0.021	0.963	0.318	1.67	0.187	---	3
4	---	---	2.70 B	0.120B	0.207	0.109	0.060	0.837	0.758	1.50 E	0.243	---	4
5	---	---	1.80 B	0.105B	0.226E	0.101	0.116	0.845	0.165	1.34	---	---	5
6	---	---	1.10 B	0.100B	0.171	0.097E	0.082E	0.803	0.148	1.37 E	---	---	6
7	---	---	1.20 B	0.090B	0.126E	0.083	0.049E	0.775	0.142E	1.41	---	---	7
8	---	---	0.910B	0.082E	0.060	0.570	0.017	0.784	0.136	0.812	---	---	8
9	---	---	0.804B	0.075E	0.076	0.071	2.88	0.732	0.152E	0.983	---	---	9
10	---	---	0.433B	0.060B	0.111	0.080	1.67	0.655	0.188	0.827E	---	---	10
11	---	---	0.285B	0.060E	0.230	0.307	1.42	0.570	0.167	0.681	---	---	11
12	---	---	0.307B	0.052	0.130	0.376	0.101	0.511	0.159E	0.558E	---	---	12
13	---	---	0.379B	0.043	0.117	0.307	0.080	0.391	0.171	0.436	---	---	13
14	---	---	0.520B	0.041E	0.519	0.250E	0.082	0.385	0.139	0.414E	---	---	14
15	---	---	0.700B	0.038E	1.38	0.133	0.085	0.365	0.133E	0.391E	---	---	15
16	---	---	0.600B	0.037E	1.26	1.26	0.080	0.318	0.126	0.369E	---	---	16
17	---	---	0.620B	0.035E	1.07	0.059	4.61	0.283	0.174	0.346E	---	---	17
18	---	---	0.590B	0.034E	4.05	0.023	4.85	0.243	0.158	0.324E	---	---	18
19	---	---	0.500B	0.032E	2.02	0.243	5.80	0.182	0.126	0.301E	---	---	19
20	---	---	0.520B	0.030	2.40	0.080	5.03	0.177	0.142	0.279	---	---	20
21	---	---	0.500B	0.030	2.35	0.140	3.65	0.158E	0.114	0.247	---	---	21
22	---	---	0.400B	0.022	1.30	0.085	3.50	0.140E	0.130	0.243	---	---	22
23	---	---	0.360B	0.043	1.26	0.015	3.00 E	0.122E	0.117	0.230	---	---	23
24	---	---	0.360B	0.035	1.09 E	0.040	2.50 E	0.104	0.109	0.226	---	---	24
25	---	---	0.370B	0.031	0.934	0.024	1.80	0.101	1.61	0.218	---	---	25
26	---	0.177B	0.360B	0.034E	0.780E	0.062	1.76	0.083	1.28	0.207	---	---	26
27	---	0.265B	0.350B	0.029	0.616	0.062E	1.57	0.073	1.87	0.196	---	---	27
28	---	3.72 B	0.250B	0.060	0.570	0.022	1.63	0.116	1.77	0.188	---	---	28
29	---		0.230B	0.044E	0.478	0.117	1.50	0.078	1.82	0.188	---	---	29
30	---		0.210B	0.059	0.334	0.065	1.58	0.084	1.86	0.182	---	---	30
31	---		0.190B		0.244E		1.57	0.067		0.181		---	31
TOTAL	---	---	25.464	1.880	25.635	5.580	53.280	13.415	15.334	19.785	---	---	TOTAL
MEAN	---	---	0.821	0.063	0.827	0.186	1.72	0.433	0.511	0.638	---	---	MEAN
MAX	---	---	3.12	0.170	4.05	1.38	5.80	1.27	1.87	1.71	---	---	MAX
MIN	---	---	0.190	0.029	0.024	0.015	0.017	0.067	0.109	0.181	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.655
MAXIMUM DAILY, 5.80 ON JUL 19
MINIMUM DAILY, 0.015 ON JUN 23

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 16 07 N
LONG 113 47 52 W
DRAINAGE AREA, 484 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	4 600
FEB	---	AUG	1 160
MAR	2 200	SEP	1 320
APR	164	OCT	1 710
MAY	2 210	NOV	---
JUN	480	DEC	---

TOTAL DISCHARGE, 13 800 dam³

WASKATENAU CREEK NEAR WASKATENAU - STATION NO 05EC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.92 B	0.070	0.016	0.001	0.595	0.023	0.004	---	---	1
2	---	---	0 B	2.10 B	0.062	0.013	0.001	0.524	0.020	0.003	---	---	2
3	---	---	0 B	2.27 B	0.055	0.008	0.001	0.485	0.017	0.003	---	---	3
4	---	---	0 B	2.16	0.068	0.006	0.001	0.494	0.015	0.003	---	---	4
5	---	---	0 B	1.93	0.087	0.005	0.001	0.462	0.009	0.003	---	---	5
6	---	---	0 B	1.69	0.094	0.004	0.001	0.453	0.008	0.003	---	---	6
7	---	---	0 B	1.48	0.084	0.003	0.001	0.421	0.006	0.003	---	---	7
8	---	---	0 B	1.32	0.076	0.005	0.001	0.457	0.012	0.003	---	---	8
9	---	---	0 B	1.15	0.087	0.001	0.004	0.406	0.016	0.003	---	---	9
10	---	---	0 B	0.986	0.082	0.001	0.005	0.393	0.015	0.003	---	---	10
11	---	---	0 B	0.928	0.149	0.002	0.007	0.370	0.011	0.004	---	---	11
12	---	---	0 B	0.847	0.141	0.002	0.017	0.343	0.057	0.005	---	---	12
13	---	---	0 B	0.742	0.049	0.002	0.048	0.304	0.048	0.005	---	---	13
14	---	---	0 B	0.696	0.051	0.002	0.120	0.275	0.031	0.005	---	---	14
15	---	---	0 B	0.390	0.072	0.002	0.145	0.248	0.026	0.004	---	---	15
16	---	---	0 B	0.304	0.082	0.002	0.168	0.220	0.029	0.004	---	---	16
17	---	---	0 B	0.272	0.063	0.002	0.170	0.200	0.028	0.004	---	---	17
18	---	---	0 B	0.213	0.037	0.002	0.180	0.171	0.014	0.004	---	---	18
19	---	---	0 B	0.233	0.141	0.002	0.190	0.120	0.005	0.004	---	---	19
20	---	---	0.0058	0.317	0.074	0.002	0.200	0.110	0.003	0.005	---	---	20
21	---	---	0.0108	0.229	0.047	0.002	0.210	0.085	0.003	0.005	---	---	21
22	---	---	0.0158	0.176	0.074	0.002	0.220	0.085	0.003	0.005	---	---	22
23	---	---	0.0988	0.185	0.052	0.002	0.230	0.075	0.003	0.005	---	---	23
24	---	---	0.1548	0.163	0.038	0.002	0.250	0.065	0.002	0.005	---	---	24
25	---	---	0.1368	0.135	0.041	0.002	0.280	0.055	0.002	0.005	---	---	25
26	---	---	0.1318	0.125	0.036	0.001	0.350	0.050	0.002	0.005	---	---	26
27	---	---	0.0928	0.093	0.028	0.001	0.562	0.045	0.002	0.005	---	---	27
28	---	---	0.3868	0.061	0.022	0.001	0.598	0.040	0.003	0.005	---	---	28
29	---		0.6878	0.044	0.018	0.001	0.622	0.035	0.004	0.005	---	---	29
30	---		1.44 B	0.065	0.017	0.001	0.611	0.030	0.004	0.005A	---	---	30
31	---		1.97 B		0.015		0.654	0.025		0.005E		---	31
TOTAL	---	---	5.334	23.235	2.014	0.097	5.850	7.650	0.421	0.130	---	---	TOTAL
MEAN	---	---	0.172	0.775	0.065	0.003	0.189	0.247	0.014	0.004	---	---	MEAN
MAX	---	---	1.97	2.27	0.149	0.016	0.654	0.595	0.057	0.005	---	---	MAX
MIN	---	---	0	0.044	0.015	0.001	0.001	0.025	0.002	0.003	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.183
MAXIMUM DAILY, 2.278 ON APR 3
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 07 23 N
LONG 112 46 50 W
DRAINAGE AREA, 312 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	505
FEB	---	AUG	661
MAR	461	SEP	36.4
APR	2 010	OCT	11.2
MAY	174	NOV	---
JUN	8.38	DEC	---

TOTAL DISCHARGE, 3 870 dam³

WATERTON - BELLY DIVERSION CANAL - STATION NO 05AD027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0E	0E	0	0	11.3	8.61	44.3	10.7	8.83	24.3	0	0E	1
2	0E	0E	0	0	14.0	8.55	43.8	10.7	9.10	23.7	0	0E	2
3	0E	0E	0	0	14.0	8.54	43.4	10.7	9.10	23.2	0	0E	3
4	0E	0E	0	0	14.1	8.53	43.0	10.7	9.10	22.6	0	0E	4
5	0E	0E	0	0	14.2	8.52	42.8	10.7	9.85	22.2	0A	0E	5
6	0E	0E	0	0	14.2	8.51	42.2	10.6	9.50	21.9	0E	0E	6
7	0E	0E	0	0	14.3	8.50	41.6	10.8	9.50	27.4	0E	0E	7
8	0E	0E	0	0	14.3	8.49	41.0	11.0	9.50	31.6 A	0E	0E	8
9	0E	0E	0	0	14.3	13.2	40.4	10.8	9.48	31.7 A	0E	0E	9
10	0E	0E	0	0	14.3	23.3	39.7	10.8	13.1	31.5	0E	0E	10
11	0E	0E	0	0	14.3	28.6	35.1	10.8	15.8	31.6	0E	0E	11
12	0E	0E	0	0	14.3	28.4	32.1	10.8	15.8	31.6	0E	0E	12
13	0E	0E	0	0	14.3	30.7	31.8	10.8	15.7	31.6	0E	0E	13
14	0E	0E	0	0	14.4	32.6	24.7	10.7	15.5	18.3	0E	0E	14
15	0E	0E	0	0	10.6	32.6	19.5	10.6	17.1	3.25	0E	0E	15
16	0E	0E	0	0	7.82	35.7	19.5	10.6	18.0	0.085	0E	0E	16
17	0E	0E	0	0	7.81	40.0	19.4	10.6	17.6	0	0E	0E	17
18	0E	0E	0	0	7.82	40.1	19.3	10.5	16.0	0	0E	0E	18
19	0E	0E	0	0	7.83	40.1	19.0	10.5	16.4	0	0E	0E	19
20	0E	0E	0	0	7.85	44.2	18.9	10.5	16.3	0	0E	0E	20
21	0E	0E	0	0.587	7.87	47.7	18.8	10.4	16.1	0	0E	0E	21
22	0E	0E	0	1.71	7.90	47.5	18.8	10.4	16.0	0	0E	0E	22
23	0E	0E	0	1.73	7.93	47.4	18.7	10.3	23.1	0	0E	0E	23
24	0E	0E	0	1.76	7.95	47.2	18.8	10.3	27.3	0	0E	0E	24
25	0E	0E	0	1.77	7.97	46.8	18.5	10.2	27.0	0	0E	0E	25
26	0E	0E	0	1.78	7.88	46.2	18.4	10.1	26.7	0	0E	0E	26
27	0E	0E	0	1.75	8.02	46.0	18.3	10.1	26.2	0	0E	0E	27
28	0E	0	0	1.75	8.14	45.5	18.3	10.0	25.8	0	0E	0E	28
29	0E		0	5.09	8.27	45.1	18.2	9.97	25.3	0	0E	0E	29
30	0E		0	7.45	8.38	44.7	18.1	9.93	24.9	0	0E	0E	30
31	0E		0		8.44		13.6	9.88		0		0E	31
TOTAL	0	0	0	25.377	334.89	922.25	880.0	325.57	512.84	377.335	0	0	TOTAL
MEAN	0	0	0	0.846	10.8	30.7	27.7	10.5	17.1	12.2	0	0	MEAN
MAX	0	0	0	7.45	14.4	47.7	44.3	11.0	27.3	31.7	0	0	MAX
MIN	0	0	0	0	7.81	8.49	13.6	9.88	8.48	0	0	0	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.20
MAXIMUM DAILY, 47.7 ON JUN 21
MINIMUM DAILY, 0E ON JAN 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 10 20 N
LONG 113 36 10 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1966

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	74 300
FEB	0	AUG	28 100
MAR	0	SEP	44 300
APR	2 180	OCT	32 800
MAY	25 800	NOV	0
JUN	73 700	DEC	0

TOTAL DISCHARGE, 280 000 dam³

WATERTON LAKE AT WATERTON PARK - STATION NO 05AD025

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	1278.410	1278.770	---	1278.910	1280.040	1279.000	1278.560	1278.440	1278.490	---	---	1
2	---	---	---	1278.728	1278.890	1279.983	1278.980	1278.558	1278.430	1278.570	---	---	2
3	1278.366	---	---	---	1278.870	1279.940	1278.960	1278.550	1278.420	1278.580	---	---	3
4	---	---	---	---	1278.900	1279.840	1278.930	1278.550	1278.420	1278.570	---	---	4
5	---	1278.408	---	1278.680	1278.970	1279.750	1278.930	1278.540	1278.440	1278.570	---	1278.540	5
6	---	---	---	---	1279.010	1279.680	1278.890	1278.540	1278.440	1278.585E	1278.560	---	6
7	---	---	---	---	1279.020	1279.630	1278.860	1278.530	1278.450	1278.600	---	---	7
8	---	---	1278.790	---	1279.030	1279.560	1278.840	1278.528E	1278.430	1278.860	---	---	8
9	---	---	---	---	1279.030	1279.500	1278.850	1278.527	1278.460	1278.700	---	---	9
10	---	---	---	---	1279.030	1279.450	1278.820	1278.530	1278.470	1278.750	---	---	10
11	1278.350	---	---	---	1279.010	1279.420	1278.800	1278.510	1278.460	1278.770	---	1278.445	11
12	---	---	---	1278.790	1279.010	1279.410	1278.780	1278.520	1278.460	1278.750	---	---	12
13	---	---	1278.754	---	1278.970	1279.390	1278.770	1278.510	1278.450	1278.750	1278.480	---	13
14	---	---	---	---	1278.960	1279.330	1278.750	1278.510	1278.460	1278.730	---	---	14
15	1278.342	---	1278.710	---	1278.970	1279.340	1278.740	1278.480	1278.470	1278.720E	---	---	15
16	---	---	---	---	1278.970	1279.320	1278.720	1278.490	1278.480	1278.710	---	---	16
17	---	---	---	---	1278.980	1279.290	1278.705E	1278.480	1278.470	1278.700	---	---	17
18	1278.360	---	---	---	1278.930	1279.270	1278.690	1278.470	1278.490	1278.690	---	---	18
19	---	---	---	1278.750	1278.930	1279.260	1278.690	1278.470	1278.510	1278.680	1278.550	---	19
20	---	---	---	---	1279.000	1279.210	1278.680	1278.460	1278.520	1278.660	1278.590	---	20
21	---	---	---	---	1279.140	1279.190	1278.670	1278.460	1278.530	1278.640	---	---	21
22	---	1278.440	---	---	1279.340	1279.100	1278.670	1278.450	1278.530	1278.630	---	---	22
23	---	---	1278.610	---	1279.400	1279.060	1278.660	1278.440	1278.520	1278.630	---	1278.390	23
24	---	---	---	---	1279.390	1279.050	1278.660	1278.436	1278.510	1278.600	---	---	24
25	1278.450	---	---	---	1279.340	1279.045	1278.658	1278.430	1278.518	1278.580	---	---	25
26	---	---	---	1278.080	1279.390	1279.030	1278.640	1278.430	1278.520	1278.570	---	---	26
27	---	---	---	---	1279.601	1279.030	1278.640	1278.430	1278.520	1278.550	---	---	27
28	---	---	---	---	1279.790	1279.001	1278.630	1278.420	1278.530	1278.540	1278.600	---	28
29	---	---	1278.590	---	1279.937	1279.020	1278.590	1278.420	1278.530	1278.550	---	1278.390	29
30	---	---	---	1278.960	1280.051	1279.020	1278.582	1278.420	1278.515	1278.552E	---	---	30
31	---	---	---	---	1280.080		1278.570	1278.440		1278.555E		---	31
MEAN	---	---	---	---	1279.185	1279.372	1278.753	1278.487	1278.480	1278.634	---	---	MEAN
MAX	---	---	---	---	1280.080	1280.040	1279.000	1278.560	1278.530	1278.770	---	---	MAX
MIN	---	---	---	---	1278.870	1279.001	1278.570	1278.420	1278.420	1278.490	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MAXIMUM DAILY, 1280.080 ON MAY 31

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 03 12 N
LONG 113 54 18 W

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA
401 km²

WATERTON RESERVOIR - STATION NO 05AD026

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1179.908	1179.949	1180.230	1180.080	1181.272	1184.120	1183.469	1179.684	1177.745	1174.708	1176.906	1180.039	1
2	1179.905	1179.948	1180.222	1180.083	1181.172	1184.214	1183.314	1179.651	1177.679	1174.553	1177.057	1180.042	2
3	1179.906	1179.949	1180.212	1180.096	1181.177	1184.184	1183.139	1179.614	1177.605	1174.385	1177.209	1180.007	3
4	1179.902	1179.949	1180.203	1180.104	1181.222	1184.062	1182.959	1179.576	1177.529	1174.221	1177.353	1179.991	4
5	1179.895	1179.932	1180.198	1180.103	1181.335	1183.924	1182.782	1179.533	1177.464	1174.083	1177.496	1180.000	5
6	1179.902	1179.930	1180.172	1180.095	1181.465	1183.969	1182.606	1179.501	1177.401	1174.004	1177.642	1179.987	6
7	1179.903	1179.922	1180.170	1180.095	1181.568	1184.080	1182.411	1179.460	1177.336	1173.874	1177.764	1179.976	7
8	1179.907	1179.921	1180.175	1180.105	1181.637	1184.105	1182.203	1179.406	1177.270	1173.868	1177.870	1179.963	8
9	1179.913	1179.916	1180.175	1180.178	1181.686	1184.109	1181.992	1179.357	1177.243	1173.791	1177.960	1179.934	9
10	1179.924	1179.924	1180.165	1180.225	1181.718	1184.213	1181.774	1179.310	1177.189	1173.714	1178.035	1179.926	10
11	1179.928	1179.918	1180.159	1180.258	1181.747	1184.292	1181.563	1179.264	1177.087	1173.624	1178.092	1179.917	11
12	1179.925	1179.920	1180.144	1180.297	1181.761	1184.345	1181.394	1179.207	1176.968	1173.514	1178.173	1179.935	12
13	1179.921	1179.917	1180.139	1180.321	1181.773	1184.440	1181.220	1179.155	1176.860	1173.367	1178.263	1179.944	13
14	1179.922	1179.913	1180.129	1180.337	1181.775	1184.472	1181.069	1179.098	1176.761	1173.287	1178.370	1179.940	14
15	1179.912	1179.917	1180.108	1180.356	1181.788	1184.470	1181.002	1179.036	1176.650	1173.486	1178.455	1179.944	15
16	1179.910	1179.918	1180.105	1180.362	1181.800	1184.489	1180.938	1178.969	1176.525	1173.790	1178.550	1179.941	16
17	1179.903	1179.914	1180.108	1180.360	1181.824	1184.591	1180.881	1178.906	1176.400	1174.074	1178.639	1179.922	17
18	1179.901	1179.914	1180.090	1180.368	1181.831	1184.660	1180.821	1178.838	1176.306	1174.344	1178.711	1179.913	18
19	1179.915	1179.911	1180.088	1180.466	1181.847	1184.697	1180.756	1178.755	1176.243	1174.591	1178.787	1179.907	19
20	1179.947	1179.921	1180.083	1180.553	1181.914	1184.725	1180.679	1178.685	1176.173	1174.825	1178.908	1179.906	20
21	1179.952	1179.923	1180.073	1180.620	1182.025	1184.693	1180.599	1178.608	1176.103	1175.048	1178.944	1179.908	21
22	1179.943	1179.930	1180.065	1180.669	1182.128	1184.632	1180.512	1178.532	1176.028	1175.247	1178.976	1179.914	22
23	1179.944	1179.935	1180.060	1180.810	1182.234	1184.534	1180.420	1178.453	1175.934	1175.439	1178.989	1179.921	23
24	1179.946	1180.057	1180.052	1180.991	1182.296	1184.401	1180.339	1178.365	1175.771	1175.622	1178.975	1179.907	24
25	1179.938	1180.342	1180.046	1181.150	1182.310	1184.276	1180.257	1178.283	1175.619	1175.791	1178.985	1179.898	25
26	1179.935	1180.352	1180.051	1181.282	1182.331	1184.143	1180.175	1178.202	1175.502	1175.959	1178.951	1179.888	26
27	1179.945	1180.289	1180.051	1181.372	1182.466	1184.017	1180.088	1178.122	1175.365	1176.116	1178.971	1179.883	27
28	1179.948	1180.233	1180.044	1181.414	1182.760	1183.878	1180.001	1178.038	1175.221	1176.278	1180.042	1179.886	28
29	1179.945		1180.037	1181.413	1183.188	1183.744	1179.901	1177.951	1175.066	1176.434	1180.061	1179.886	29
30	1179.944		1180.046	1181.354	1183.577	1183.607	1179.804	1177.880	1174.891	1176.592	1180.034	1179.886	30
31	1179.949		1180.052		1183.908		1178.718	1177.813		1176.756		1179.873	31
MEAN	1179.924	1179.984	1180.118	1180.531	1181.984	1184.270	1181.251	1178.878	1176.531	1174.695	1178.564	1179.935	MEAN
MAX	1179.952	1180.352	1180.230	1181.414	1183.908	1184.725	1183.469	1179.684	1177.745	1176.756	1180.061	1180.042	MAX
MIN	1179.895	1179.911	1180.037	1180.080	1181.172	1183.607	1178.718	1177.813	1174.891	1173.287	1176.906	1179.873	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MEAN, 1179.717
MAXIMUM DAILY, 1184.725 ON JUN 20
MINIMUM DAILY, 1173.287 ON OCT 14
MAXIMUM INSTANTANEOUS,
1184.733 AT 16:15 MST ON JUN 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 19 16 N
LONG 113 40 52 W

REGULATED SINCE 1965

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA
1 270 km²

WATERTON RIVER NEAR GLENWOOD - STATION NO. 05AD028

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5 400	6 700	28.2	16.1	29.6	132	2.20	1.280	2.01	6.96	1 800	2 900	1
2	5 400	6 400	28.0	17.0	21.2	137	2.16	1.03	2.03	6.82	1 77	2 750	2
3	5 000	6 300	27.6	16.0	10.9	141	2.10	1.37	2.17	6.65	1 76	2 650	3
4	4 900	6 100	26.9	16.3	11.6	142	2.23	1.38	2.15	6.59	1 72	2 600	4
5	4 300	5 000	26.0	16.4	11.9	123	2.27	1.37	2.38	6.48	1 79	2 500	5
6	4 200	5 100	25.0	16.2	15.6	95.9	2.27	1.39	2.26	6.35	1 81	2 350	6
7	3 700	6 300	24.6	16.0	20.1	85.8	2.27	1.36	2.17	5.85	1 600	2 250	7
8	4 000	8 700	24.7	14.6	20.4	84.6	2.22	1.30	2.18	6.02	1 400	2 220	8
9	4 100	7 300	24.5	8.52	20.6	70.0	2.18	1.40	2.34	3.72	1 300	2 500	9
10	4 000	7 600	23.8	12.2	20.7	46.9	2.11	1.32	2.23	3.82	1 100	2 800	10
11	4 300	8 000	23.9	15.3	20.7	37.4	2.08	1.30	2.27	3.65	1 100	3 800	11
12	4 500	8 400	23.1	17.5	20.7	33.7	2.05	1.28	1.86	3.50	1 250	5 000	12
13	4 600	9 000	21.4	16.8	20.3	28.3	1.99	1.37	1.80	3.38	1 350	6 400	13
14	4 600	9 500	20.8	15.4	19.7	26.4	1.99	1.39	1.83	3.23	1 500	7 200	14
15	4 700	10 2 0	19.7	20.1	22.0	26.0	1.99	1.51	1.80	3.12	1 550	8 300	15
16	4 800	10 6 0	18.5	20.7	27.5	30.2	2.04	1.54	1.75	3.02	1 700	8 600	16
17	5 000	11 4 0	18.0	20.9	27.7	4.87	2.01	1.60	1.71	2.00	1 750	9 030	17
18	5 100	12 4 0	18.1	16.7	28.2	4.72	2.00	1.68	1.78	1.99	1 900	9 000	18
19	5 300	12 3 0	17.2	8.67	28.1	4.38	1.97	1.79	1.78	1.98	2 000	8 900	19
20	5 400	12 4 0	16.7	9.99	28.4	4.13	1.88	1.83	1.73	1.96	2 150	8 700	20
21	5 500	13 0 0	16.4	11.3	35.2	4.03	1.87	1.89	1.70	1.94	2 250	8 550	21
22	5 700	14 0 0	16.0	12.4	87.8	3.89	2.04	2.50	1.66	1.92	2 400	8 200	22
23	5 800	17 0 0	15.5	16.7	85.7	3.83	2.57	2.79	1.67	1.89	2 500	7 950	23
24	6 000	20 0 0	15.0	20.1	87.8	3.79	2.31	2.98	1.68	1.87	2 650	7 700	24
25	6 200	39 0 0	14.2	24.4	88.4	2.49	1.28	3.18	2.00	1.85	2 750	7 350	25
26	6 300	55 0 0	14.0	26.2	89.3	2.27	1.46	3.32	2.39	1.85	2 670	7 050	26
27	6 400	35 0 0	13.8	31.0	83.4	2.27	1.80	2.83	1.90	1.79	2 009	6 800	27
28	6 800	29 7	13.6	32.4	71.5	2.33	1.66	2.31	1.74	1.79	2 108	6 529	28
29	6 900		12.8	32.7	86.9	2.61	1.34A	1.91	1.85	1.81	2 070	6 288	29
30	6 900		13.2	31.4	105	2.39	1.22E	2.01	2.65	1.910	2 000	6 338	30
31	6 800		14.8		121		1.20E	2.01		1.880		6 350	31
TOTAL	162.70	383.70	617.0	566.06	1 188.8	1 281.12	60.90	56.62	59.20	103.63	58.94	179.73	TOTAL
MEAN	5.25	14.1	19.9	18.9	38.3	42.7	1.95	1.83	1.98	3.34	2.00	5.80	MEAN
MAX	6.90	55.0	28.2	32.7	121	142	2.57	3.32	2.65	6.96	3.10	9.03	MAX
MIN	3.70	6.00	12.5	8.67	10.9	2.27	1.30	1.20	1.66	1.79	1.10	2.22	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 13.0
MAXIMUM DAILY, 142 ON JUN 4
MINIMUM DAILY, 1.100 ON NOV 10
MAXIMUM INSTANTANEOUS,
145 AT 03 25 MST ON JUN 5

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 25 03 N
LONG 113 29 00 W
DRAINAGE AREA, 1 630 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1966

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	16 100	JUL	5 230
FEB	34 000	AUG	4 890
MAR	53 300	SEP	5 120
APR	45 100	OCT	8 950
MAY	103 000	NOV	5 180
JUN	111 000	DEC	15 500

TOTAL DISCHARGE, 405 000 dam³

WATERTON RIVER NEAR WATERTON PARK - STATION NO. 05AD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.430	4.23	16.2	11.7	22.5	131	24.0	7.74	4.44	8.64	9.92	7.600	1
2	3.26	4.17	15.3	12.4	21.5	134	22.8	7.60	4.40	8.87	9.90	7.570	2
3	3.03	3.80	15.7	11.8	21.2	119	22.3	7.43	4.16	9.14	9.27	7.200	3
4	3.11	3.84	17.0	13.0	22.0	107	21.3	7.34	3.96	8.96	9.10	6.930	4
5	3.16	3.80	16.0	13.0	25.9	98.5	20.8	7.22	4.29	9.84	8.94	6.100	5
6	3.16	3.71	15.4	12.9	27.9	90.9	19.5	7.06	4.35	11.2	8.88	5.900	6
7	3.40	3.80	14.1	12.2	28.5	83.8	18.4	6.85	4.31	12.6	8.81	5.600	7
8	3.35	3.94	14.1	12.3	28.3	76.8	17.5	6.69	4.34	13.9	8.82	5.320	8
9	3.03	3.88	15.5	12.7	28.0	70.9	17.3	6.72	5.27	14.6	8.28	5.000	9
10	3.08	3.47	15.2	13.6	27.7	65.3	16.5	6.64	5.05	15.6	7.900	4.800	10
11	3.16	3.41	14.9	14.6	27.5	61.3	15.9	6.52	5.72	15.9	7.500	4.450	11
12	2.80	3.42	14.4	15.4	27.8	58.3	15.3	6.32	5.44	16.0	7.200	5.100	12
13	2.90	3.42	13.8	15.7	24.2	55.6	14.6	6.32	5.41	15.3	7.000	5.69	13
14	2.60	3.52	13.1	15.8	21.0	53.2	13.9	6.14	5.57	14.8	6.85	5.62	14
15	2.25	3.64	12.4	15.6	21.0	51.7	13.3	5.78	5.55	14.5	6.800	5.43	15
16	2.24	4.23	12.0	15.4	25.2	49.5	13.7	5.38	5.80	14.0	6.700	5.61	16
17	2.57	4.85	11.7	15.1	25.1	46.3	13.5	5.36	6.16	13.6	6.85	5.60	17
18	2.64	4.86	11.3	14.6	24.4	44.0	12.0	5.34	7.25	13.2	6.87	5.00	18
19	4.36	4.54	10.7	14.2	25.4	43.2	11.5	4.86	7.38	12.6	7.500	4.87	19
20	4.45	4.39	10.4	13.7	29.0	39.5	11.4	4.77	7.38	12.3	9.89	4.78	20
21	4.52	4.03	10.3	13.0	38.2	38.0	11.0	4.80	7.58	11.5	9.86	4.11	21
22	5.01	4.01	10.1	15.2	52.0	37.2	10.8	4.63	7.64	11.0	9.08	4.78	22
23	4.69	3.98	9.33	22.5	59.5	28.4	10.7	4.80	7.63	10.8	8.51	4.68	23
24	4.53	3.85	9.78	28.1	57.6	27.3	10.4	4.32	7.51	10.4	12.5	4.56	24
25	4.81	3.84	9.61	30.8	55.6	26.9	10.3	4.13	7.63	10.2	10.0 B	4.62	25
26	4.62	3.95	9.46	31.0	52.4	26.2	10.2	4.01	8.52	9.89	11.0 B	5.88	26
27	4.36	11.4	9.26	30.3	79.5	25.0	9.84	3.98	8.62	10.3	10.0 B	4.18	27
28	4.55	13.3	9.08	29.0	101	25.0	9.51	3.88	7.56	9.74	8.839	4.31	28
29	4.11		8.66	26.7	123	25.5	9.20	3.97	7.67	9.21	7.489	4.28	29
30	3.98		10.2	24.9	133	25.1	8.81	3.92	7.62	8.56	7.700	3.83	30
31	4.24		11.3		134		8.13	4.22		8.67		3.78	31
TOTAL	110.81	138.20	385.18	526.3	1 413.5	1 745.9	442.99	174.27	185.77	366.22	257.85	163.71	TOTAL
MEAN	3.67	4.94	12.6	17.6	85.6	58.2	14.3	5.62	6.19	11.5	8.60	5.28	MEAN
MAX	5.01	13.3	17.0	31.0	134	131	24.0	7.74	8.52	16.0	12.5	7.60	MAX
MIN	2.24	3.41	9.08	11.7	21.2	25.0	8.13	3.88	3.96	8.64	6.85	3.83	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 19.2
MAXIMUM DAILY, 139 ON MAY 31
MINIMUM DAILY, 2.24 ON JAN 16
MAXIMUM INSTANTANEOUS,
139 AT 08 40 MST ON MAY 30

SUMMARY FOR THE YEAR 1986

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 50 N
LONG 113 50 20 W
DRAINAGE AREA, 514 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	6 570	JUL	35 300
FEB	11 500	AUG	19 100
MAR	33 800	SEP	19 100
APR	45 600	OCT	31 800
MAY	133 000	NOV	33 300
JUN	151 000	DEC	14 100

TOTAL DISCHARGE, 511 000 dam³

WEILLER CREEK NEAR WETASKIWIN - STATION NO. 05FA024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2.00 B	0.0478	0.038	0.012	0.005	0.015	0.007	0.046	---	---	1
2	---	---	3.55 B	0.0758	0.025	0.011	0.005	0.012	0.008	0.105	---	---	2
3	---	---	3.50 B	0.0758	0.016	0.009	0.005	0.010	0.009	0.068	---	---	3
4	---	---	2.40 B	0.0868	0.017	0.009	0.005	0.012	0.010	0.031	---	---	4
5	---	---	2.80 B	0.0888	0.014	0.008	0.005	0.025	0.010	0.039	---	---	5
6	---	---	2.00 B	0.0878	0.013	0.008	0.005	0.114	0.009	0.048	---	---	6
7	---	---	2.80 B	0.077	0.013	0.007	0.005	0.081	0.008	0.022	---	---	7
8	---	---	2.90 B	0.067	0.013	0.006	0.005	0.084	0.008	0.014	---	---	8
9	---	---	1.00 B	0.086	0.013	0.006	0.006	0.101	0.007	0.013	---	---	9
10	---	---	0.3188	0.082	0.014	0.005	0.008	0.050	0.008	0.012	---	---	10
11	---	---	0.1798	0.040	0.016	0.005	0.005	0.019	0.008	0.012	---	---	11
12	---	---	0.1318	0.065	0.022	0.006	0.007	0.013	0.007	0.013	---	---	12
13	---	---	0.1088	0.045	0.034	0.005	0.010	0.012	0.013	0.010	---	---	13
14	---	---	0.1348	0.033	0.543	0.005	0.040	0.011	0.033	0.009	---	---	14
15	---	---	0.2588	0.023	0.818	0.006	0.053	0.009	0.017	0.006	---	---	15
16	---	---	0.4458	0.018	0.810	0.005	0.025	0.008	0.012	0.005	---	---	16
17	---	---	1.04 B	0.022	0.311	0.048	0.314	0.009	0.010	0.006	---	---	17
18	---	---	1.55 B	0.054	0.218	0.024	0.331	0.007	0.008	0.004	---	---	18
19	---	---	1.67 B	0.034	0.203	0.018	0.137	0.007	0.007	0.004	---	---	19
20	---	---	1.88 B	0.020	0.197	0.047	0.079	0.008	0.007	0.004	---	---	20
21	---	---	2.06 B	0.013	0.178	0.060	0.039	0.008	0.006	0.004	---	---	21
22	---	---	1.21 B	0.011	0.187	0.024	0.022	0.006	0.006	0.164	---	---	22
23	---	---	0.8398	0.033	0.127	0.013	0.014	0.006	0.006	0.011	---	---	23
24	---	---	0.6308	0.039	0.122	0.027	0.011	0.006	0.005	0.004	---	---	24
25	---	---	0.5278	0.025	0.085	0.014	0.010	0.007	0.008	0.003	---	---	25
26	---	---	0.6018	0.014	0.058	0.009	0.012	0.006	0.051	0.003	---	---	26
27	---	---	0.6448	0.052	0.035	0.008	0.053	0.006	0.125	0.003	---	---	27
28	---	---	0.5758	0.026	0.026	0.006	0.076	0.006	0.069	0.003	---	---	28
29	---	---	0.1678	0.016	0.021	0.005	0.086	0.006	0.021	0.003A	---	---	29
30	---	---	0.0328	0.065	0.015	0.005	0.073	0.006	0.015	0.003E	---	---	30
31	---	---	0.0398		0.014		0.034	0.007		0.003E	---	---	31
TOTAL	---	---	39.097	1.358	4.186	0.419	1.494	0.658	0.519	0.673	---	---	TOTAL
MEAN	---	---	1.26	0.045	0.135	0.014	0.048	0.021	0.017	0.022	---	---	MEAN
MAX	---	---	3.55	0.087	0.818	0.060	0.331	0.114	0.125	0.164	---	---	MAX
MIN	---	---	0.032	0.011	0.013	0.005	0.005	0.006	0.005	0.003	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.198
MAXIMUM DAILY, 3.550 ON MAR 2
MINIMUM DAILY, 0.003 ON OCT 25

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 57 27 N
LONG 113 16 45 W
DRAINAGE AREA, 235 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	129
FEB	---	AUG	56.9
MAR	3 380	SEP	44.8
APR	117	OCT	58.1
MAY	362	NOV	---
JUN	36.2	DEC	---

TOTAL DISCHARGE, 4 180 dam³

WELCH CREEK TRIBUTARY NEAR LEEDALE - STATION NO. 05CC010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.4668	0.0748	0.200	0.052	0.080	0.217	0.108	0.430	0.234	---	1
2	---	---	0.4628	0.0748	0.184	0.049	0.060	0.199	0.120	0.555	0.257	---	2
3	---	---	0.4578	0.0768	0.180	0.045	0.040A	0.184	0.176	0.377	0.204	---	3
4	---	---	0.4488	0.0908	0.200	0.043	0.028A	0.192	0.163	0.273	0.178A	---	4
5	---	---	0.3008	0.109	0.225	0.042	0.069	0.190	0.178	0.228	---	---	5
6	---	---	0.1608	0.124	0.250	0.041	0.048	0.185	0.144	0.186	---	---	6
7	---	---	0.0718	0.119	0.250	0.040	0.051	0.204	0.129	0.168	---	---	7
8	---	---	0.0708	0.117	0.225	0.040	0.051	0.210	0.128	0.176	---	---	8
9	---	---	0.0718	0.126	0.210	0.039	0.078	0.158	0.133	0.245	---	---	9
10	---	---	0.0728	0.133	0.200	0.039	0.055	0.153	0.137	0.268	---	---	10
11	---	---	0.0738	0.133	0.210	0.039	0.051	0.171	0.163	0.327	---	---	11
12	---	---	0.1128	0.126	0.200	0.040	0.103	0.147	0.204	0.310	---	---	12
13	---	---	0.2198	0.119	0.220	0.040	0.068	0.148	0.174	0.204	---	---	13
14	---	---	0.2248	0.110	0.250	0.042	0.045	0.140	0.156	0.232	---	---	14
15	---	---	0.2688	0.102	0.390	0.048	0.038	0.136	0.153	0.235	---	---	15
16	---	---	0.2308	0.097	0.820	0.080	0.043	0.126	0.161	0.235	---	---	16
17	---	---	0.1428	0.094	1.03	0.048	4.09	0.124	0.201	0.265	---	---	17
18	---	---	0.1328	0.088	1.05	0.038	14.4	0.126	0.191	0.287	---	---	18
19	---	---	0.1398	0.084	0.970	0.035	3.39	0.121	0.170	0.288	---	---	19
20	---	---	0.2058	0.075	0.880	0.038	1.18	0.118	0.167	0.301	---	---	20
21	---	---	0.3068	0.073	0.700	0.037	0.570	0.128	0.166	0.305	---	---	21
22	---	---	0.3768	0.073	0.740	0.036	0.352	0.123	0.186	0.316	---	---	22
23	---	---	0.2778	0.074	0.580	0.037	0.302	0.126	0.166	0.327	---	---	23
24	---	---	0.1358	0.085	0.160	0.046	0.284	0.118	0.164	0.325	---	---	24
25	---	---	0.1168	0.088	0.120	0.089	0.291	0.133	0.260	0.326	---	---	25
26	---	---	0.1458	0.111	0.096	0.081	0.272	0.128	0.898	0.314	---	---	26
27	---	---	0.1558	0.127	0.083	0.068	0.320	0.114	1.05	0.280	---	---	27
28	---	---	0.1778	0.143	0.074	0.083	0.272	0.108	0.595	0.275	---	---	28
29	---	---	0.1198	0.154	0.066	0.105	0.270	0.108	0.401	0.276	---	---	29
30	---	---	0.0768	0.184	0.060	0.100	0.378	0.105	0.334	0.266	---	---	30
31	---	---	0.0678		0.056		0.274	0.108		0.247	---	---	31
TOTAL	---	---	6.272	3.202	10.859	1.483	27.489	4.563	7.486	8.857	---	---	TOTAL
MEAN	---	---	0.202	0.107	0.344	0.050	0.886	0.147	0.249	0.286	---	---	MEAN
MAX	---	---	0.466	0.184	1.05	0.106	14.4	0.217	1.05	0.555	---	---	MAX
MIN	---	---	0.067	0.073	0.056	0.036	0.028	0.105	0.108	0.168	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.286
MAXIMUM DAILY, 14.4 ON JUL 18
MINIMUM DAILY, 0.028A ON JUL 4

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 34 13 N
LONG 114 35 59 W
DRAINAGE AREA, 53.6 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 370
FEB	---	AUG	394
MAR	542	SEP	645
APR	277	OCT	785
MAY	921	NOV	---
JUN	129	DEC	---

TOTAL DISCHARGE, 5 040 dam³

WEST ARROWWOOD CREEK NEAR ARROWWOOD - STATION NO. 05BM014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	2.72 B	0.053	0.014	0.015	0	0	0	0.007	0.005	---	1
2	---	0 B	2.30 B	0.047	0.013	0.012	0	0	0	0.006	0.005	---	2
3	---	0 B	1.53 B	0.046	0.013	0.011	0	0	0	0.005	0.005	---	3
4	---	0 B	0.8228	0.045	0.019	0.010	0	0	0	0.004	---	---	4
5	---	0 B	0.3768	0.047	0.046	0.010	0	0	0	0.004	---	---	5
6	---	0 B	0.0968	0.049	0.059	0.010	0	0	0	0.003	---	---	6
7	---	0 B	0.1328	0.048	0.047	0.011	0	0	0	0.003	---	---	7
8	---	0 B	0.1658	0.044	0.032	0.010	0	0	0	0.003	---	---	8
9	---	0 B	0.1988	0.043	0.026	0.010	0	0	0	0.003	---	---	9
10	---	0 B	0.2308	0.041	0.023	0.010	0	0	0	0.002	---	---	10
11	---	0 B	0.2808	0.037	0.021	0.009	0	0	0	0.002	---	---	11
12	---	0 B	0.2848	0.0388	0.020	0.008	0	0	0	0.002	---	---	12
13	---	0 B	0.2808	0.037	0.023	0.007	0	0	0	0.002	---	---	13
14	---	0 B	0.2778	0.036	0.075	0.006	0	0	0	0.002	---	---	14
15	---	0 B	0.2418	0.035	0.120	0.005	0	0	0	0.002	---	---	15
16	---	0 B	0.1878	0.034	0.097	0.005	0	0	0	0.002	---	---	16
17	---	0 B	0.1238	0.032	0.112	0.005	0	0	0	0.002	---	---	17
18	---	0 B	0.0838	0.028	0.191	0.004	0	0	0	0.002	---	---	18
19	---	0 B	0.0778	0.025	0.159	0.004	0	0	0	0.003	---	---	19
20	---	0 B	0.0818	0.024	0.128	0	0	0	0	0.003	---	---	20
21	---	0 B	0.0638	0.021	0.150	0	0	0	0	0.003	---	---	21
22	---	0.0038	0.0398	0.023	0.141	0	0	0	0	0.003	---	---	22
23	---	0.0158	0.0618	0.022	0.122	0	0	0	0	0.003	---	---	23
24	---	0.1608	0.0758	0.020	0.101	0	0	0	0	0.002	---	---	24
25	---	0.9058	0.0818	0.020	0.086	0	0	0	0	0.002	---	---	25
26	---	2.42 B	0.0598	0.018	0.073	0	0	0	0.009	0.003	---	---	26
27	---	2.19 B	0.0558	0.018	0.057	0	0	0	0.038	0.003	---	---	27
28	08	3.80 B	0.057	0.018	0.047	0	0	0	0.040	0.003	---	---	28
29	08		0.054	0.016	0.035	0	0	0	0.012	0.003	---	---	29
30	08		0.055	0.016	0.027	0	0	0	0.008	0.005	---	---	30
31	08		0.056		0.022		0	0		0.005		---	31
TOTAL	---	10.493	11.117	0.881	2.089	0.182	0	0	0.107	0.097	---	---	TOTAL
MEAN	---	0.375	0.359	0.033	0.068	0.005	0	0	0.004	0.003	---	---	MEAN
MAX	---	3.80	2.72	0.053	0.191	0.015	0	0	0.040	0.007	---	---	MAX
MIN	---	0	0.039	0.016	0.013	0	0	0	0	0.002	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN. 0.092
MAXIMUM DAILY. 3.808 ON FEB 28
MINIMUM DAILY. 08 ON FEB 1

SUMMARY FOR THE MONTHS FEB TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 45 50 N
LONG 113 14 00 W
DRAINAGE AREA. 775 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	907	AUG	0
MAR	961	SEP	9.24
APR	84.8	OCT	8.38
MAY	181	NOV	---
JUN	14.0	DEC	---

TOTAL DISCHARGE. 2 170 dam³

WEST ARROWWOOD CREEK NEAR ENSIGN - STATION NO. 05BM018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0	0.011	0.001	0	0	0	0	0	0.001	---	---	1
2	---	0	0.008	0	0	0	0	0	0	0.001	---	---	2
3	---	0	0.006	0	0	0	0	0	0	0.001	---	---	3
4	---	0	0.0058	0	0	0	0	0	0	0.001	---	---	4
5	---	0	0.0048	0	0.001	0	0	0	0	0.001	---	---	5
6	---	0	0.0028	0	0.002	0	0	0	0	0.001	---	---	6
7	---	0	0.0018	0	0.002	0	0	0	0	0.001	---	---	7
8	---	0	0.0028	0	0.001	0	0	0	0	0	---	---	8
9	---	0	0.0018	0	0.001	0	0	0	0	0	---	---	9
10	---	0	0.0018	0	0.001	0	0	0	0	0	---	---	10
11	---	0	0.0018	0	0.001	0	0	0	0	0	---	---	11
12	---	0	0.0018	0	0.001	0	0	0	0	0	---	---	12
13	---	0	0.0018	0	0.001	0	0	0	0	0	---	---	13
14	---	0	0.0018	0	0.0038	0	0	0	0	0	---	---	14
15	---	0	0.0018	0	0.0018	0	0	0	0	0	---	---	15
16	---	0	0.0018	0	0.0038	0	0	0	0	0	---	---	16
17	---	0	0.0018	0	0.003	0	0	0	0	0	---	---	17
18	---	0	0.0018	0	0.003	0	0	0	0	0	---	---	18
19	---	0	0.0018	0	0.002	0	0	0	0	0	---	---	19
20	---	0	0.0018	0	0.002	0	0	0	0	0	---	---	20
21	---	0	0.0018	0	0.002	0	0	0	0	0	---	---	21
22	---	0	0.0018	0	0.002	0	0	0	0	0	---	---	22
23	---	0	0.0028	0	0.002	0	0	0	0	0	---	---	23
24	---	0	0.002	0	0.002	0	0	0	0	0	---	---	24
25	---	0.4128	0.004	0	0.001	0	0	0	0	0	---	---	25
26	---	0.340	0.003	0	0.001	0	0	0	0	0	---	---	26
27	---	0.121	0.003	0	0	0	0	0	0.004	0	---	---	27
28	---	0.032	0.003	0	0	0	0	0	0.003	0	---	---	28
29	08		0.002	0	0	0	0	0	0.002	0	---	---	29
30	0		0.002	0	0	0	0	0	0.002	0 A	---	---	30
31	0		0.001		0		0	0		0 E		---	31
TOTAL	---	0.905	0.075	0.001	0.038	0	0	0	0.011	0.007	---	---	TOTAL
MEAN	---	0.032	0.002	0	0.001	0	0	0	0	0	---	---	MEAN
MAX	---	0.412	0.011	0.001	0.003	0	0	0	0.004	0.001	---	---	MAX
MIN	---	0	0.001	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN. 0.006
MAXIMUM DAILY. 0.4128 ON FEB 25
MINIMUM DAILY. 0 ON FEB 1

SUMMARY FOR THE MONTHS FEB TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 30 50 N
LONG 113 20 35 W
DRAINAGE AREA. 29.8 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	78.2	AUG	0
MAR	6.48	SEP	0.95
APR	0.09	OCT	0.80
MAY	3.28	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE. 89.6 dam³

WEST PRAIRIE RIVER NEAR HIGH PRAIRIE - STATION NO. 07BF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2038	0.1378	0.1708	4.798	15.9	6.90	0.483	5.80	0.232	3.79	0.8268	0.5148	1
2	0.1908	0.1348	0.2108	3.928	13.4	6.02	0.333	5.93	0.264	3.62	0.7008	0.5018	2
3	0.1808	0.1318	0.2108	3.228	13.3	5.27	0.303	5.00	0.291	3.61	0.8628	0.4758	3
4	0.1758	0.1298	0.1808	2.038	26.6	4.59	0.251	4.31	0.311	3.71	0.9948	0.4238	4
5	0.1708	0.1268	0.2008	2.488	26.2	4.34	0.247	3.91	0.381	3.84	1.868	0.4108	5
6	0.1758	0.1238	0.2108	3.228	20.6	3.94 E	0.235	3.54	0.437	5.03	2.128	0.3908	6
7	0.1808	0.1208	0.2058	6.228	17.6	3.54 E	0.247	3.05	0.422	6.00	1.758	0.3608	7
8	0.1858	0.1178	0.1908	8.968	15.8	3.14 E	0.628	2.61	0.361	5.78	1.748	0.3608	8
9	0.1908	0.1148	0.1808	12.58	14.8	2.75 E	0.983	2.33	0.311	5.63	1.748	0.3308	9
10	0.1888	0.1128	0.2058	13.68	14.2	2.35 E	0.989	1.98	0.309	5.57	1.518	0.3208	10
11	0.1868	0.1098	0.2308	12.08	13.2	1.95 E	0.826	1.75	0.369	5.84	1.368	0.3008	11
12	0.1858	0.1068	0.2458	10.4	12.5	1.55 E	0.592	1.52	0.316	5.18	1.118	0.2908	12
13	0.1838	0.1038	0.2508	9.17	12.3	1.58 E	1.10	1.50	0.294	4.62	0.8378	0.2758	13
14	0.1818	0.1008	0.2458	8.48	11.5	1.65 E	1.82	1.38	0.242	4.21	0.7728	0.2708	14
15	0.1808	0.0978	0.2408	8.20	11.8	1.60 E	4.26	1.35	0.268	3.79	0.6288	0.2708	15
16	0.1788	0.0858	0.2308	7.01	12.0	1.58 A	11.7	1.03	0.399	3.43	0.7158	0.2788	16
17	0.1788	0.0758	0.2308	7.48	11.3	1.54	24.3 A	0.850	0.310	3.08	0.7728	0.2708	17
18	0.1748	0.0708	0.2358	13.1	10.6	1.55	22.8 A	0.788	0.259	2.81	0.8208	0.2668	18
19	0.1738	0.0658	0.2708	24.7	10.2	1.54	25.8 A	0.746	0.266	2.58	0.8088	0.2628	19
20	0.1718	0.0608	0.3008	25.4	10.1	1.63	21.2 A	0.640	0.348	2.31	0.8088	0.2748	20
21	0.1688	0.0658	0.5008	30.4	10.1	1.78	14.8 A	0.594	0.331	2.08	0.7908	0.2388	21
22	0.1658	0.0708	1.008	30.6	11.9	1.92	10.8	0.529	0.315	1.87	0.7188	0.2628	22
23	0.1638	0.0758	1.508	23.6	26.3	1.96	8.45	0.508	0.266	1.74	0.6508	0.2868	23
24	0.1608	0.0728	1.648	17.7	32.5	1.76	10.7	0.447	0.222	1.61	0.5548	0.2768	24
25	0.1578	0.0708	1.448	14.4	23.9	1.45	22.6	0.357	0.200	1.49	0.5568	0.2368	25
26	0.1548	0.0808	1.348	12.2	17.5	1.22	16.8	0.327	0.183	1.37	0.5408	0.2488	26
27	0.1518	0.1108	1.388	11.3	14.3	1.03	12.1	0.288	0.225	1.32	0.4628	0.2118	27
28	0.1488	0.1408	2.178	11.1	12.2	0.873	10.5	0.233	0.252	1.24 B	0.4488	0.2008	28
29	0.1468		3.448	11.5	10.6	0.690	9.24	0.256	2.44	1.20 B	0.4488	0.2128	29
30	0.1438		4.258	14.9	9.30	0.586	8.89	0.198	3.96	0.9188	0.4488	0.1848	30
31	0.1408		4.858		7.91		7.50	0.223		0.7908		0.1738	31
TOTAL	5.318	2.785	27.755	364.76	470.41	72.319	251.577	55.172	14.804	101.858	28.689	9.380	TOTAL
MEAN	0.172	0.100	0.895	12.2	15.2	2.61	8.12	1.78	0.493	3.29	0.956	0.303	MEAN
MAX	0.203	0.140	4.86	30.6	32.5	6.90	25.8	5.80	3.96	5.63	2.12	0.514	MAX
MIN	0.140	0.060	0.170	2.03	7.91	0.586	0.235	0.196	0.183	0.790	0.449	0.173	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.85
MAXIMUM DAILY, 32.5 ON MAY 24
MINIMUM DAILY, 0.0608 ON FEB 20
MAXIMUM INSTANTANEOUS,
35.9 AT 19.30 MST ON APR 21

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 26 50 N
LONG 116 29 30 W
DRAINAGE AREA, 1 150 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	459	JUL	21 700
FEB	241	AUG	4 770
MAR	2 400	SEP	1 280
APR	31 500	OCT	8 800
MAY	40 900	NOV	2 480
JUN	6 250	DEC	810

TOTAL DISCHARGE, 121 000 dam³

WESTERN IRRIGATION DISTRICT CANAL "B" NEAR HEADGATE - STATION NO. 05BM017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0 B	1.73	5.51	10.6	5.50	7.07	0.043	0	---	1
2	---	---	---	0 B	2.02	5.44	11.7	5.60	7.04	0.040	0	---	2
3	---	---	---	0 B	1.99	5.00	11.7	5.66	7.03	0.037	0	---	3
4	---	---	---	0 B	1.96	5.62	11.1	5.71	7.02	0.032	0	---	4
5	---	---	---	0 B	1.94	5.95	11.3	5.22	7.02	0.028	0	---	5
6	---	---	---	0	1.81	5.17	11.4	5.94	5.99	0.025	0	---	6
7	---	---	---	0	1.88	5.13	10.9	5.72	5.92	0.025	0	---	7
8	---	---	---	0	1.87	5.00	10.3	5.54	5.70	0.026	0 B	---	8
9	---	---	---	0	1.90	5.07	10.2	5.53	5.33	0.025	0 B	---	9
10	---	---	---	0	1.92	5.04	10.3	5.54	5.34	0.022	0.0028	---	10
11	---	---	---	0	1.92	5.04E	9.86	5.55	5.36	0.021	0.0058	---	11
12	---	---	---	0	1.90	10.0 E	9.36	5.57	5.41	0.022	0.0088	---	12
13	---	---	---	0	1.93	11.0 E	9.47	5.61	5.45	0.022	0.0188	---	13
14	---	---	---	0	2.24E	12.1 E	9.36	5.57	5.44	0.023	0.0308	---	14
15	---	---	---	0	3.64E	12.1 E	9.35	5.56	5.44	0.022	0.0358	---	15
16	---	---	---	0	3.64E	12.1 E	9.40	5.57	5.49	0.023	0.0468	---	16
17	---	---	---	0	3.64E	12.1 E	9.40	5.60	5.60	0.022	0.0548	---	17
18	---	---	---	0	3.64E	12.1 E	9.22	5.66	5.65	0.019	0.0628	---	18
19	---	---	---	0	2.12E	12.1 E	7.53	5.73	5.66	0.016	0.0728	---	19
20	---	---	---	0	1.69E	12.1 E	7.59	5.74	5.59	0.016	0.0818	---	20
21	---	---	---	0	1.69E	12.1 E	7.73	5.74	5.55	0.010	0.0908	---	21
22	---	---	---	0	1.69E	12.1 E	7.80	5.76	5.61	0.007	0.0948	---	22
23	---	---	---	0.529	1.98E	12.1 E	7.79	5.78	5.64	0.006	0.0958	---	23
24	---	---	---	0.834	2.24E	12.1 E	7.83	5.81	5.68	0.007	0.0938	---	24
25	---	---	0B	0.921	2.24	12.1 E	7.80	5.83	5.62	0.006	0.0208	---	25
26	---	---	0B	1.03	2.81	12.1 A	7.84	5.84	5.56	0.005	0.0108	---	26
27	---	---	0B	0.996	3.17	12.1	7.84	5.85	5.47	0.006	0.0098	---	27
28	---	---	0B	1.39	3.89	12.1	7.77	5.84	5.01	0.004	0.0088	---	28
29	---		0B	1.54	4.60	12.6	7.58	5.86	4.57	0.002	0.0078	---	29
30	---		0B	1.57	5.02	11.3	6.63	5.84	2.28	0	0.0068	---	30
31	---		0B		4.90		5.46	7.05		0		---	31
TOTAL	---	---	---	8.850	79.71	318.37	281.23	203.41	182.04	0.550	0.846	---	TOTAL
MEAN	---	---	---	0.295	2.57	10.6	9.07	6.56	6.07	0.018	0.028	---	MEAN
MAX	---	---	---	1.58	5.02	12.6	11.7	7.05	7.07	0.043	0.095	---	MAX
MIN	---	---	---	0	1.69	5.51	5.46	5.50	2.28	0	0	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.41
MAXIMUM DAILY, 12.6 ON JUN 28
MINIMUM DAILY, 0B ON APR 1

SUMMARY FOR THE MONTHS APR TO NOV

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 03 41 N
LONG 113 49 02 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	24 300
FEB	---	AUG	17 600
MAR	---	SEP	15 700
APR	765	OCT	48 4
MAY	5 890	NOV	73 1
JUN	27 600	DEC	---

TOTAL DISCHARGE, 92 900 dam³

WESTERN IRRIGATION DISTRICT CANAL NEAR CHESTERMERE LAKE - STATION NO. 05BM003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.007	1.54	11.2	21.7	11.0	8.61	1.54	---	---	1
2	---	---	---	0.005	1.33	12.4	24.1	12.0	10.5	1.15	---	---	2
3	---	---	---	0.004	1.32	13.8	18.8	11.7	11.6	0.786	---	---	3
4	---	---	---	0.004	4.25	13.7	19.5	12.8	10.3	0.516	---	---	4
5	---	---	---	0.003	1.87	13.4	23.8	12.8	10.4	0.385	---	---	5
6	---	---	---	0.002	1.05	13.6	19.8	12.2	8.38	0.295	---	---	6
7	---	---	---	0.002	0.813	12.7	19.5	11.8	8.10	0.238	---	---	7
8	---	---	---	0.001	4.87	12.1	18.4	12.7	8.10	0.246	---	---	8
9	---	---	---	0.001	5.80	11.9	18.8	12.8	9.81	0.294	---	---	9
10	---	---	---	0.001	4.67	12.5	20.2	12.9	10.0	0.226	---	---	10
11	---	---	---	1.02	2.35	13.3	19.0	12.8	10.7	0.209	---	---	11
12	---	---	---	1.02	2.67	18.2	18.8	12.8	10.0	0.200	---	---	12
13	---	---	---	1.04	5.95	23.5	18.5	12.5	9.53	0.190	---	---	13
14	---	---	---	0.743	4.38	23.5	17.0	13.6	9.34	0.185	---	---	14
15	---	---	---	0.802	3.55	22.7	18.0	16.3	9.11	0.178	---	---	15
16	---	---	---	0.538	2.73	21.1	17.4	16.5	9.14	0.176	---	---	16
17	---	---	---	0.500	2.03	21.4	14.2	16.5	12.4	0.171	---	---	17
18	---	---	---	5.71	1.44	22.3	10.3	15.4	8.18	0.170	---	---	18
19	---	---	---	0.876	1.08	21.6	11.5	11.1	6.58	0.171	---	---	19
20	---	---	---	0.837	0.814	21.6	13.3	10.6	7.51	0.167	---	---	20
21	---	---	---	0.830	2.20	21.8	13.5	10.9	7.20	0.163	---	---	21
22	---	---	---	0.786	2.78	21.5	12.9	11.8	7.13	0.156	---	---	22
23	---	---	---	3.70	4.76	20.8	11.5	11.9	7.81	0.148	---	---	23
24	---	---	---	8.26	6.65	18.5	11.5	11.9	7.24	0.142	---	---	24
25	---	---	0.020A	11.7	7.78	20.1	14.1	11.8	9.83	0.136	---	---	25
26	---	---	0.019	11.1	7.75	21.5	12.8	10.8	10.5	0.133	0.1008	---	26
27	---	---	0.016	4.18	7.83	22.3	12.5	10.8	4.76	0.125	---	---	27
28	---	---	0.015	3.56	8.10	20.9	10.5	10.8	3.34	0.124	---	---	28
29	---		0.013	4.32	9.24	21.4	10.6	11.4	2.91	0.130	---	---	29
30	---		0.011	3.20	9.83	5.32	10.1	13.4	2.37	0.120	---	---	30
31	---		0.008		10.8		10.9	11.0		0.132		---	31
TOTAL	---	---	---	67.564	132.707	532.72	490.0	387.7	251.88	9.002	---	---	TOTAL
MEAN	---	---	---	2.25	4.28	17.8	15.8	12.5	8.39	0.290	---	---	MEAN
MAX	---	---	---	11.7	10.9	23.5	24.1	16.5	12.4	1.54	---	---	MAX
MIN	---	---	---	0.001	0.814	5.32	10.1	10.6	2.37	0.120	---	---	MIN

SUMMARY FOR THE MONTHS APR TO NOV

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 01 00 N
LONG 113 50 30 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1908

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	42 300
FEB	---	AUG	33 500
MAR	---	SEP	21 700
APR	5 840	OCT	778
MAY	11 500	NOV	---
JUN	46 000	DEC	---

WHIRLPOOL RIVER NEAR THE MOUTH - STATION NO 07AA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.88	88.5	49.1	34.9	35.5	6.89	4.90	---	1
2	---	---	---	---	1.96	97.1	59.3	36.0	36.8	6.39	5.61	---	2
3	---	---	---	---	2.20	75.1	54.4	45.0	35.3	6.00	5.04	---	3
4	---	---	---	---	2.58	62.5	51.1	46.9	34.2	6.15	4.78A	---	4
5	---	---	---	---	2.87	58.4	40.7	44.8	30.3	7.17	---	---	5
6	---	---	---	---	3.24	57.4	38.3	41.7	24.7	8.10	---	---	6
7	---	---	---	---	3.29	60.7	43.1	42.5	21.6	10.4	---	---	7
8	---	---	---	---	3.43	56.3	49.4	44.5	20.3	10.3	---	---	8
9	---	---	---	---	3.46	55.4	53.7	42.4	19.5	9.03	---	---	9
10	---	---	---	---	3.40	52.9	51.4	41.1	20.2	8.22	---	---	10
11	---	---	---	---	3.18	52.3	55.7	44.6	18.3	7.47	---	---	11
12	---	---	---	---	3.11	55.5	54.8	48.7	15.0	6.96	---	---	12
13	---	---	---	---	3.11	45.0	52.3	46.1	13.1	6.60	---	---	13
14	---	---	---	---	2.90	45.3	48.9	44.1	11.7	6.31	---	---	14
15	---	---	---	---	2.74	50.5	44.9	39.1	10.9	6.16	---	---	15
16	---	---	---	---	2.66	50.8	47.4	32.4	10.5	6.02	---	---	16
17	---	---	---	---	2.73	44.3	51.5	30.0	9.84	5.84	---	---	17
18	---	---	---	---	3.20	56.0	52.9	31.3	9.19	5.81	---	---	18
19	---	---	---	---	4.78	60.3	50.4	32.9	8.83	5.40	---	---	19
20	---	---	---	---	8.51	45.7	51.6	27.4	8.41	5.16	---	---	20
21	---	---	---	---	11.6	35.8	53.4	26.9	7.97	5.06	---	---	21
22	---	---	---	---	10.1	32.7	55.5	27.8	7.95	4.93	---	---	22
23	---	---	---	---	8.49	42.0	55.9	27.6	7.90	4.75	---	---	23
24	---	---	---	---	8.15	56.7	52.2	29.0	8.02	4.84	---	---	24
25	---	---	---	---	9.59	65.7	48.7	28.5	7.73	4.80	---	---	25
26	---	---	---	---	23.3	50.0	42.5	27.3	8.18	5.32	---	---	26
27	---	---	---	---	56.6	44.2	39.8	29.0	7.59	9.84	---	---	27
28	---	---	---	---	78.3	43.4	42.5	33.5	6.58	9.14	---	---	28
29	---		---	1.83A	92.6	46.3	43.5	36.4	6.64	7.28	---	---	29
30	---		---	1.80	97.2	54.1	36.8	35.6	6.42	6.36	---	---	30
31	---		---		98.4		33.9	33.1		5.53		---	31
TOTAL	---	---	---	---	550.48	1 682.9	1 527.7	1 133.1	469.67	208.84	---	---	TOTAL
MEAN	---	---	---	---	18.1	56.1	49.3	36.6	15.7	6.74	---	---	MEAN
MAX	---	---	---	---	98.4	98.5	64.4	48.7	36.8	10.4	---	---	MAX
MIN	---	---	---	---	1.88	32.7	33.9	26.9	6.42	4.80	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 30.3
MAXIMUM DAILY, 98.4 ON MAY 31
MINIMUM DAILY, 1.88 ON MAY 1
MAXIMUM INSTANTANEOUS,
107 AT 07:04 MST ON MAY 31

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 43 29 N
LONG 117 55 29 W
DRAINAGE AREA, 598 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	132 000
FEB	---	AUG	97 900
MAR	---	SEP	40 800
APR	---	OCT	18 000
MAY	48 400	NOV	---
JUN	145 000	DEC	---

TOTAL DISCHARGE, 482 000 dam³

WHISKEYJACK CREEK NEAR HINTON - STATION NO 07AD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.010	0.035	0.043	0.032	0.008	0.037	0.017	---	1
2	---	---	---	---	0.011	0.033	0.048	0.029	0.008	0.033	0.011	---	2
3	---	---	---	---	0.014	0.035	0.050	0.040	0.009	0.038	0.015	---	3
4	---	---	---	---	0.029	0.033	0.053	0.047	0.027	0.036	0.015	---	4
5	---	---	---	---	0.028	0.032	0.053	0.036	0.025	0.039A	0.015	---	5
6	---	---	---	---	0.028	0.032	0.045	0.031	0.018	0.037E	B.015A	---	6
7	---	---	---	---	0.030	0.033	0.038	0.027	0.013	0.035E	---	---	7
8	---	---	---	---	0.032	0.030	0.025	0.024	0.012	0.034E	---	---	8
9	---	---	---	---	0.032	0.028	0.018	0.021	0.010	0.033A	---	---	9
10	---	---	---	---	0.032	0.024	0.027	0.020	0.013	0.031	---	---	10
11	---	---	---	---	0.032	0.036	0.025	0.019	0.019	0.030	---	---	11
12	---	---	---	---	0.031	0.034	0.023	0.018	0.018	0.028	---	---	12
13	---	---	---	---	0.030	0.038	0.021	0.017	0.017	0.027	---	---	13
14	---	---	---	---	0.029	0.041	0.020	0.015	0.015	0.025	---	---	14
15	---	---	---	---	0.029	0.033	0.018	0.014	0.013	0.024	---	---	15
16	---	---	---	---	0.030	0.031	0.062	0.013	0.013	0.023	---	---	16
17	---	---	---	---	0.030	0.036	0.185	0.012	0.013	0.022	---	---	17
18	---	---	---	---	0.031	0.040	0.218	0.011	0.012	0.021	---	---	18
19	---	---	---	---	0.032	0.031	0.175	0.015	0.011	0.020	---	---	19
20	---	---	---	---	0.033	0.034	0.138	0.014	0.011	0.020	---	---	20
21	---	---	---	---	0.035	0.041	0.111	0.012	0.010	0.019	---	---	21
22	---	---	---	---	0.042	0.043	0.095	0.012	0.010	0.018	---	---	22
23	---	---	---	---	0.050	0.045	0.108	0.011	0.009	0.018	---	---	23
24	---	---	---	---	0.049	0.047	0.082	0.010	0.009	0.018	---	---	24
25	---	---	---	0.012A	0.048	0.049	0.087	0.010	0.020	0.017	---	---	25
26	---	---	---	0.012	0.048	0.050	0.085	0.010	0.044	0.017	---	---	26
27	---	---	---	0.013	0.050	0.052	0.058	0.009	0.030	0.018	---	---	27
28	---	---	---	0.013	0.047	0.055	0.048	0.008	0.031	0.018	---	---	28
29	---	---	---	0.013	0.043	0.052	0.043	0.008	0.035	0.017	---	---	29
30	---	---	---	0.011	0.041	0.044	0.041	0.008	0.039	0.017	---	---	30
31	---	---	---		0.038		0.036	0.007		0.018	---	---	31
TOTAL	---	---	---	---	1.044	1.145	2.040	0.581	0.522	0.788	---	---	TOTAL
MEAN	---	---	---	---	0.034	0.038	0.066	0.018	0.017	0.025	---	---	MEAN
MAX	---	---	---	---	0.050	0.055	0.218	0.047	0.044	0.039	---	---	MAX
MIN	---	---	---	---	0.010	0.024	0.018	0.007	0.008	0.017	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.033
MAXIMUM DAILY, 0.218 ON JUL 18
MINIMUM DAILY, 0.007 ON AUG 31
MAXIMUM INSTANTANEOUS,
0.338 AT 19:07 MST ON JUL 17

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 22 50 N
LONG 117 32 15 W
DRAINAGE AREA 3.13 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	176
FEB	---	AUG	48.5
MAR	---	SEP	65.1
APR	---	OCT	87.7
MAY	80.2	NOV	---
JUN	98.8	DEC	---

TOTAL DISCHARGE, 526 dam³

WHITE EARTH CREEK NEAR SMOKY LAKE - STATION NO 05EC006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0458	3.568	1.27	0.458	0.180	3.47	0.580	0.042	---	---	1
2	---	---	0.0458	2.898	1.18	0.416	0.200	3.04	0.570	0.045	---	---	2
3	---	---	0.0458	2.588	1.16	0.407	0.200	2.84	0.550	0.138	---	---	3
4	---	---	0.0458	3.318	1.06	0.356	0.100	2.50	0.529	0.063	---	---	4
5	---	---	0.0458	4.648	1.01	0.352	0.060	2.37	0.463	0.066	---	---	5
6	---	---	0.0468	4.648	0.886	0.366	0.050	2.20	0.414	0.121	---	---	6
7	---	---	0.0408	4.91	1.08	0.253	0.050	1.98	0.383	0.098	---	---	7
8	---	---	0.0358	4.86	1.05	0.142	0.050	1.71	0.360	0.105	---	---	8
9	---	---	0.0358	4.36	1.08	0.142	0.050	1.42	0.318	0.128	---	---	9
10	---	---	0.0308	3.71	1.03	0.069	0.061	1.18	0.299	0.191	---	---	10
11	---	---	0.0308	3.26	0.976	0.150	0.116	1.06	0.291	0.123	---	---	11
12	---	---	0.0358	3.05	0.867	0.160	0.214	1.02	0.250	0.134	---	---	12
13	---	---	0.0358	2.58	0.976	0.180	0.337	0.980	0.199	0.181	---	---	13
14	---	---	0.0358	2.37	0.892	0.180	0.715	0.930	0.125	0.162	---	---	14
15	---	---	0.0358	1.92	1.02	0.170	0.694	0.880	0.075	0.201	---	---	15
16	---	---	0.0408	1.68	0.922	0.180	1.01	0.850	0.084	0.184	---	---	16
17	---	---	0.0458	1.61	0.883	0.130	0.865	0.820	0.095	0.171	---	---	17
18	---	---	0.0508	1.52	0.967	0.089	1.51	0.800	0.071	0.188	---	---	18
19	---	---	0.0538	1.33	0.858	0.090	2.09	0.770	0.022	0.194	---	---	19
20	---	---	0.0898	1.28	0.728	0.080	2.38	0.740	0.008	0.188	---	---	20
21	---	---	0.1228	1.29	0.731	0.063	2.48	0.720	0.015	0.213	---	---	21
22	---	---	0.1978	1.20	1.22	0.060	2.23	0.700	0.041	0.230	---	---	22
23	---	---	0.2988	1.17	1.80	0.050	2.18	0.680	0.016	0.239	---	---	23
24	---	---	0.3118	1.25	1.58	0.050	2.14	0.670	0.041	0.255	---	---	24
25	---	---	0.4328	1.31	1.07	0.080	2.19	0.650	0.055	0.239	---	---	25
26	---	---	0.2248	1.42	0.877	0.090	2.02	0.640	0.091	0.238	---	---	26
27	---	---	0.3058	1.42	0.830	0.170	2.15	0.630	0.123	0.232	---	---	27
28	---	---	0.8788	1.47	1.07	0.140	2.78	0.610	0.107	0.228	---	---	28
29	---		1.34 B	1.46	0.888	0.100	2.95	0.600	0.118	0.221	---	---	29
30	---		1.85 B	1.40	0.604	0.110	3.01	0.590	0.103	0.218A	---	---	30
31	---		2.70 B		0.530		3.30	0.580		0.220E		---	31
TOTAL	---	---	8.515	73.15	31.295	5.233	38.312	38.450	5.388	5.197	---	---	TOTAL
MEAN	---	---	0.307	2.44	1.01	0.174	1.24	1.24	0.213	0.168	---	---	MEAN
MAX	---	---	2.70	4.91	1.80	0.458	3.30	3.47	0.580	0.265	---	---	MAX
MIN	---	---	0.030	1.17	0.530	0.050	0.050	0.580	0.008	0.042	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.847
MAXIMUM DAILY, 4.91 ON APR 7
MINIMUM DAILY, 0.008 ON SEP 20

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT N
LONG W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 310
FEB	---	AUG	3 320
MAR	822	SEP	552
APR	3 320	OCT	449
MAY	2 700	NOV	---
JUN	482	DEC	---

TOTAL DISCHARGE, 17 800 dam³

WHITEHORSE CREEK NEAR CADOMIN - STATION NO. 07AF910

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	13.9	4.18	3.15	0.876	1.27	---	---	1
2	---	---	---	---	---	10.4	3.71	2.91	0.869	1.24	---	---	2
3	---	---	---	---	---	7.37	3.16	2.74	0.903	1.33	---	---	3
4	---	---	---	---	---	6.42	2.84	2.37	1.17	1.83	---	---	4
5	---	---	---	---	---	6.33	3.68	2.39	1.20	3.76	---	---	5
6	---	---	---	---	---	6.14	5.49	2.25	1.23	5.99	---	---	6
7	---	---	---	---	0.276A	5.79	6.46	2.07	1.31	5.02	---	---	7
8	---	---	---	---	---	5.38	5.47	2.00	1.30	4.14	---	---	8
9	---	---	---	---	---	4.95	6.06	1.90	1.25	3.62	---	---	9
10	---	---	---	---	---	4.78	5.75	1.82	1.38	3.12	---	---	10
11	---	---	---	---	---	5.43	4.63	1.88	1.49	2.76	---	---	11
12	---	---	---	---	---	4.18	3.98	1.96	1.43	2.53	---	---	12
13	---	---	---	---	---	3.84	3.77	1.90	1.40	2.30	---	---	13
14	---	---	---	---	---	4.21	3.34	1.83	1.36	2.16	---	---	14
15	---	---	---	---	---	5.82	4.17	1.75	1.37	2.13	---	---	15
16	---	---	---	---	---	4.20	11.8	1.65	1.43	2.18	---	---	16
17	---	---	---	---	---	4.11	17.1	1.32	1.41	2.11	---	---	17
18	---	---	---	---	---	4.55	25.3	1.24	1.41	2.85	---	---	18
19	---	---	---	---	---	4.02	23.0	1.33	1.42	2.02	---	---	19
20	---	---	---	---	---	2.92	21.8	1.43	1.40	1.48	---	---	20
21	---	---	---	---	---	2.60	17.2	1.35	1.38	1.38	---	---	21
22	---	---	---	0.226B	---	2.81	11.7	1.28	1.39	1.24	---	---	22
23	---	---	---	---	---	3.55	10.7	1.24	1.41	1.06 B	---	---	23
24	---	---	---	---	---	3.91	8.77	1.20	1.46	1.05 B	---	---	24
25	---	---	---	---	---	3.06	6.65	1.17	1.68	1.02 B	---	---	25
26	---	---	---	---	---	2.36	5.55	1.09	1.77	0.960B	---	---	26
27	---	---	---	---	---	2.22	4.70	1.04	1.58	0.920B	---	---	27
28	---	---	---	---	---	2.16	4.26	1.00	1.49	0.870B	---	---	28
29	---		---	---	18.1	4.75	3.97	0.994	1.42	0.820B	---	---	29
30	---		---	---	16.9	5.70	3.64	0.994	1.38	0.790B	---	---	30
31	---		---		15.0		3.41	0.927		0.760B		---	31
TOTAL	---	---	---	---	---	147.86	246.03	52.185	40.568	63.980	---	---	TOTAL
MEAN	---	---	---	---	---	4.93	7.94	1.68	1.35	2.06	---	---	MEAN
MAX	---	---	---	---	---	13.9	25.3	3.15	1.77	5.99	---	---	MAX
MIN	---	---	---	---	---	2.16	2.64	0.927	0.869	0.760	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 25.3 ON JUL 18

MAXIMUM INSTANTANEOUS,
28.3 AT 16:01 MST ON JUL 18

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 59 00 N
LONG 117 20 40 W
DRAINAGE AREA, 114 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	21 300
FEB	---	AUG	4 510
MAR	---	SEP	3 510
APR	---	OCT	5 530
MAY	---	NOV	---
JUN	12 800	DEC	---

WHITEMUD CREEK (WEST BRANCH) NEAR IRETON - STATION NO. 05DF007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.650E	0.041	0.004	0	0	0.065	0	0	0	---	1
2	---	---	1.10 E	0.031	0.015	0	0	0.038	0	0	0	---	2
3	---	---	1.06 E	0.026	0.014	0	0	0.021	0	0	0A	---	3
4	---	---	0.830A	0.024	0.012	0	0	0.014	0	0.017	---	---	4
5	---	---	0.760B	0.022	0.013	0	0	0.010	0	0.072	---	---	5
6	---	---	0.680B	0.016	0.012	0	0	0.006	0	0.123	---	---	6
7	---	---	0.800B	0.012	0.010	0	0	0.109	0	0.098	---	---	7
8	---	---	0.940B	0.008	0.005	0	0	0.101	0	0.075	---	---	8
9	---	---	0.840B	0.005	0.003	0	0	0.064	0	0.059	---	---	9
10	---	---	0.600B	0.004	0.001	0	0	0.041	0	0.045	---	---	10
11	---	---	0.430B	0.005A	0	0	0	0.024	0	0.037	---	---	11
12	---	---	0.330B	0.002E	0	0	0	0.013	0	0.032	---	---	12
13	---	---	0.077B	0.001E	0	0	0	0.002	0	0.024	---	---	13
14	---	---	0.110B	0	0.171	0	0	0	0	0.020	---	---	14
15	---	---	0.160B	0	0.952	0	0	0	0	0.015	---	---	15
16	---	---	0.210B	0	0.618	0	0	0	0	0.011	---	---	16
17	---	---	0.280B	0	0.415	0	0.001E	0	0	0.008	---	---	17
18	---	---	0.340B	0	0.311	0	0.001E	0	0	0.005	---	---	18
19	---	---	0.420B	0	0.236	0	0.039	0	0	0.002	---	---	19
20	---	---	0.479B	0	0.177	0	0.110	0	0	0.001	---	---	20
21	---	---	0.509B	0	0.129	0	0.095	0	0	0.001	---	---	21
22	---	---	0.342B	0	0.103	0	0.074	0	0	0	---	---	22
23	---	---	0.230B	0	0.092	0	0.044	0	0	0	---	---	23
24	---	---	0.102B	0.001	0.073	0	0.026	0	0	0	---	---	24
25	---	---	0.104B	0.001	0.053	0	0.015	0	0	0	---	---	25
26	---	---	0.106B	0.001	0.037	0	0.004	0	0	0	---	---	26
27	---	0 A	0.158	0.001	0.025	0	0	0	0	0	---	---	27
28	---	0.320B	0.152	0.002	0.019	0	0	0	0	0	---	---	28
29	---		0.116	0.004	0.011	0	0.085	0	0	0	---	---	29
30	---		0.088	0.004	0.004	0	0.279	0	0	0	---	---	30
31	---		0.058		0		0.127	0		0		---	31
TOTAL	---	---	13.261	0.211	3.519	0	0.880	0.508	0	0.645	---	---	TOTAL
MEAN	---	---	0.428	0.007	0.114	0	0.028	0.015	0	0.021	---	---	MEAN
MAX	---	---	1.10	0.041	0.952	0	0.279	0.109	0	0.183	---	---	MAX
MIN	---	---	0.058	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.078
MAXIMUM DAILY, 1.10E ON MAR 2
MINIMUM DAILY, 0 ON APR 14
MAXIMUM INSTANTANEOUS,
1.13 AT 12:35 MST ON MAY 15

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 13 20 N
LONG 113 41 23 W
DRAINAGE AREA, 63.7 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	76.0
FEB	---	AUG	43.9
MAR	1 150	SEP	0
APR	18.2	OCT	55.7
MAY	304	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 650 dam³

WHITEMUD CREEK NEAR ELLERSLIE - STATION NO. 05DF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1078	0.8088	0.128	0.177	0.009	0.087	0.001	0.054	0.033	---	1
2	---	---	0.9938	0.4408	0.117	0.177	0.011	0.094	0.001	0.070	0.024	---	2
3	---	---	3.27 B	0.4088	0.095	0.148	0.010	0.072	0.001	0.089	0.024	---	3
4	---	---	8.56 B	0.3178	0.078	0.124	0.009	0.065	0.001	0.084	0.049A	---	4
5	---	---	7.47 B	0.297	0.069	0.084	0.009	0.057	0.001	0.069	---	---	5
6	---	---	5.00 B	0.288	0.036	0.065	0.003	0.050	0.001	0.077	---	---	6
7	---	---	3.70 B	0.198	0.027	0.045	0.002	0.052	0.001	0.075	---	---	7
8	---	---	2.80 B	0.201	0.026	0.040	0.002	0.040	0.001	0.067	---	---	8
9	---	---	1.90 B	0.167	0.024	0.005	0.014	0.032	0.001	0.058	---	---	9
10	---	---	1.35 B	0.113	0.014	0.005	0.072	0.020	0.001	0.084	---	---	10
11	---	---	0.9008	0.073A	0.010	0.001	0.094	0.016	0.003	0.083	---	---	11
12	---	---	0.6508	0.057E	0.008	0.001	0.134	0.018	0.007	0.079	---	---	12
13	---	---	0.4988	0.043E	0.016	0.001	0.187	0.018	0.006	0.066	---	---	13
14	---	---	0.5548	0.032E	0.106	0.001	0.226	0.020	0.004	0.083	---	---	14
15	---	---	0.8088	0.023A	0.570	0.001	0.265	0.021	0.003	0.032	---	---	15
16	---	---	1.09 B	0.018	1.35	0.001	0.286	0.024	0.001	0.084	---	---	16
17	---	---	1.64 B	0.018	0.770	0.001	0.338	0.023	0.001	0.057	---	---	17
18	---	---	1.90 B	0.019	0.423	0.001	0.489	0.024	0.001	0.046	---	---	18
19	---	---	2.64 B	0.018	0.317	0.001	0.577	0.023	0.001	0.046	---	---	19
20	---	---	3.73 B	0.029	0.284	0.001	0.807	0.016	0.001	0.022	---	---	20
21	---	---	3.77 B	0.050	0.253	0.001	0.468	0.009	0.001	0.042	---	---	21
22	---	---	2.43 B	0.056	0.222	0.001	0.382	0.001	0.001	0.038	---	---	22
23	---	---	1.79 B	0.082	0.213	0.001	0.285	0.001	0.001	0.031	---	---	23
24	---	---	1.32 B	0.080	0.180	0.001	0.270	0.001	0.001	0.035	---	---	24
25	---	0 B	1.70 B	0.073	0.156	0.002	0.241	0.001	0.001	0.052	---	---	25
26	---	0.0088	1.38 B	0.070	0.187	0.005	0.192	0.001	0.001	0.076	---	---	26
27	---	0.0418	1.25 B	0.070	0.201	0.008	0.160	0.001	0.001	0.070	---	---	27
28	---	0.0738	1.11 B	0.106	0.202	0.017	0.141	0.001	0.016	0.071	---	---	28
29	---		1.03 B	0.128	0.198	0.021	0.124	0.001	0.059	0.071	---	---	29
30	---		0.933B	0.128	0.191	0.012	0.113	0.001	0.057	0.064	---	---	30
31	---		0.7728		0.180		0.096	0.001		0.051	---	---	31
TOTAL	---	---	86.855	4.188	6.682	0.949	5.826	0.792	0.177	1.906	---	---	TOTAL
MEAN	---	---	2.16	0.140	0.215	0.032	0.188	0.026	0.006	0.061	---	---	MEAN
MAX	---	---	8.56	0.808	1.36	0.177	0.807	0.094	0.059	0.094	---	---	MAX
MIN	---	---	0.107	0.018	0.008	0.001	0.002	0.001	0.001	0.022	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.357
MAXIMUM DAILY, 8.568 ON MAR 6
MINIMUM DAILY, 0.001 ON JUN 11
MAXIMUM INSTANTANEOUS,
9.78 AT 17:50 MST ON MAR 4

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 24 44 N
LONG 113 35 30 W
DRAINAGE AREA, 335 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	503
FEB	---	AUG	68.4
MAR	5 780	SEP	15.3
APR	362	OCT	165
MAY	576	NOV	---
JUN	82.0	DEC	---

TOTAL DISCHARGE, 7 550 dam³

WHITEMUD RIVER NEAR DIXONVILLE - STATION NO. 07HA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1168	0.1008	0.0658	8.788	10.8	6.19	0.485	4.03	0.174	0.674A	0.7108	[illegible]	1
2	0.1268	0.0998	0.0808	8.168	9.38	5.56	0.452	4.35	0.155	0.590A	0.7528	0.3008	2
3	0.1338	0.1008	0.1008	5.868	8.70	4.98	0.409	3.35	0.159	0.660E	0.7888	0.3098	3
4	0.1388	0.0988	0.1158	3.418	11.8	4.66	0.429	2.88	0.147	0.780E	0.8608	0.3318	4
5	0.1398	0.0868	0.1258	3.728	21.2	4.08	0.455	2.67	0.114	0.900E	0.8608	0.3248	5
6	0.1378	0.0958	0.1208	6.598	34.4	3.62	0.454	2.43	0.092	1.08 E	0.8128	0.3158	6
7	0.1298	0.0948	0.1158	7.858	40.4	3.14	0.437	2.06	0.081	1.20 E	0.7948	0.3008	7
8	0.1248	0.0948	0.1108	9.438	41.1	2.78	0.378	1.75	0.074	1.28 E	0.7648	0.2858	8
9	0.1198	0.0958	0.1058	7.868	41.0	2.53	0.446	1.56	0.077	1.20 E	0.6748	0.2658	9
10	0.1108	0.0948	0.1008	7.048	40.9	2.36	0.421	1.41	0.079	1.18 E	0.6478	0.2508	10
11	0.1128	0.0838	0.1058	6.078	39.5	2.09	0.453	1.22	0.088	1.17 E	0.5658	0.2358	11
12	0.1078	0.0948	0.1108	6.168	37.9	1.83	0.410	1.07	0.086	1.17 E	0.5418	0.2108	12
13	0.1048	0.0928	0.1208	5.638	38.6	1.71	0.801	0.915	0.092	1.18 E	0.5088	0.1808	13
14	0.1018	0.0898	0.1308	4.188	40.6	1.60	0.896	0.793	0.083	1.20 E	0.4318	0.1708	14
15	0.0998	0.0878	0.1408	3.248	41.8	1.44	2.24	0.669	0.075	1.22 E	0.4308	0.1608	15
16	0.1008	0.0858	0.1408	3.368	42.4	1.30	5.58	0.538	0.069	1.25 A	0.4028	0.1578	16
17	0.0988	0.0838	0.1428	3.618	40.2	1.19	12.4	0.680	0.067	1.20 E	0.3388	0.1308	17
18	0.0948	0.0808	0.1458	4.528	34.9	1.13	15.0	0.712	0.059	1.14 E	0.4048	0.1258	18
19	0.0938	0.0788	0.1488	5.528	29.4	1.07	13.9	0.505	0.048	1.06 E	0.4328	0.1388	19
20	0.1038	0.0788	0.1508	8.198	25.0	1.04	11.9	0.403	0.049	1.01 A	0.3728	0.1468	20
21	0.1058	0.0738	0.1708	10.4	21.6	1.05	9.70	0.402	0.050	0.985	0.3188	0.1588	21
22	0.1058	0.0718	0.2108	12.6	18.4	1.05	7.73	0.405	0.051	0.963	0.2658	0.1468	22
23	0.1068	0.0698	0.3808	15.5	15.8	0.981	6.37	0.457	0.054	0.884	0.2608	0.1438	23
24	0.1058	0.0678	0.5208	17.0	13.9	0.899	5.49	0.405	0.060	0.843	0.2548	0.1468	24
25	0.1078	0.0648	0.4108	14.4	12.6	0.822	4.97	0.351	0.085E	0.791	0.2668	0.1468	25
26	0.1128	0.0628	0.3508	11.4	11.3	0.674	4.61	0.282	0.110E	0.808	0.2838	0.1428	26
27	0.1128	0.0588	0.4728	9.77	10.2	0.828	4.32	0.256	0.180E	0.811	0.2998	0.1318	27
28	0.1118	0.0608	0.7408	8.82	9.39	0.787	4.19	0.229	0.250E	0.5008	0.3358	0.1178	28
29	0.1058		3.47 B	8.80	8.83	0.734	4.39	0.234	0.350E	0.5668	0.3748	0.1218	29
30	0.1028		4.77 B	10.4	7.94	0.598	4.42	0.237	0.490E	0.7338	0.3638	0.1188	30
31	0.1018		7.69 B		6.76		4.25	0.208		0.6448		0.1128	31
TOTAL	3.456	2.347	21.647	238.48	767.71	62.723	126.386	37.552	3.580	29.662	15.101	6.126	TOTAL
MEAN	0.112	0.084	0.685	7.95	24.8	2.09	4.14	1.21	0.119	0.957	0.503	0.196	MEAN
MAX	0.139	0.100	7.69	17.0	42.4	6.19	15.0	4.35	0.490	1.28	0.880	0.331	MAX
MIN	0.098	0.058	0.065	3.24	6.76	0.598	0.378	0.208	0.048	0.500	0.254	0.112	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.61
MAXIMUM DAILY, 42.4 ON MAY 16
MINIMUM DAILY, 0.048 ON SEP 19
MAXIMUM INSTANTANEOUS,
42.8 AT 19:30 MST ON MAY 16

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 30 40 N
LONG 117 39 32 W
DRAINAGE AREA, 2 010 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	289	JUL	11 100
FEB	203	AUG	3 240
MAR	1 850	SEP	308
APR	20 800	OCT	2 580
MAY	66 300	NOV	1 300
JUN	5 420	DEC	529

TOTAL DISCHARGE, 114 000 dam³

WILDHAY RIVER NEAR HINTON - STATION NO. 07AC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1956

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.77	38.7	14.0	19.5	6.80	6.82	5.48	---	1
2	---	---	---	---	1.74	37.1	13.5	18.3	6.54	6.65	5.04	---	2
3	---	---	---	---	2.01	31.7	13.0	17.3	6.40	6.41	5.11	---	3
4	---	---	---	---	2.63	27.0	12.6	17.6	7.46	6.69	5.16	---	4
5	---	---	---	---	3.43	24.2	12.6	17.1	8.07	7.13	5.15	---	5
6	---	---	---	---	3.90	24.1	13.1	16.2	7.51	8.04	4.93A	---	6
7	---	---	---	---	4.05	25.1	13.5	15.3	7.10	8.72	---	---	7
8	---	---	---	---	4.24	24.3	13.8	14.4	6.67	8.99	---	---	8
9	---	---	---	---	4.64	22.8	13.4	13.8	6.39	8.89	---	---	9
10	---	---	---	---	4.70	21.4	14.0	13.0	6.26	8.65	---	---	10
11	---	---	---	---	4.69	22.0	13.8	12.4	6.36	8.53	---	---	11
12	---	---	---	---	4.51	21.1	13.8	12.2	6.46	8.27	---	---	12
13	---	---	---	---	4.46	19.3	13.3	11.9	6.44	7.10	---	---	13
14	---	---	---	---	4.29	18.2	12.7	11.5	6.29	7.90	---	---	14
15	---	---	---	---	4.12	20.0	13.2	11.0	6.11	7.80	---	---	15
16	---	---	---	---	4.22	20.0	25.1	10.4	6.03	7.63	---	---	16
17	---	---	---	---	4.85	18.5	40.0	10.0	5.91	7.49	---	---	17
18	---	---	---	---	5.47	17.8	60.6	9.59	5.76	7.35	---	---	18
19	---	---	---	---	6.95	17.6	59.5	9.44	5.67	7.21	---	---	19
20	---	---	---	---	9.58	16.6	51.3	9.11	5.52	7.18	---	---	20
21	---	---	---	---	11.1	15.2	44.2	8.73	5.36	7.00	---	---	21
22	---	---	---	---	10.7	14.3	37.8	8.41	5.22	6.82	---	---	22
23	---	---	---	---	10.7	13.9	36.3	8.21	5.15	6.63	---	---	23
24	---	---	---	2.09A	10.6	13.9	32.8	7.95	5.04	6.35	---	---	24
25	---	---	---	1.88	11.2	13.8	28.9	7.76	5.34	6.25	---	---	25
26	---	---	---	1.90	17.0	13.1	29.2	7.57	6.98	6.24	---	---	26
27	---	---	---	1.92	32.9	12.3	27.2	7.31	7.10	6.27	---	---	27
28	---	---	---	1.92	39.6	12.0	25.8	7.04	6.63	6.23	---	---	28
29	---		---	1.90	43.7	12.0	24.4	6.93	6.52	6.05	---	---	29
30	---		---	1.87	43.3	13.6	22.7	6.86	6.76	5.86	---	---	30
31	---		---		42.2		21.0	6.69		5.67		---	31
TOTAL	---	---	---	---	359.07	602.6	767.1	353.50	189.66	223.83	---	---	TOTAL
MEAN	---	---	---	---	11.6	20.1	24.7	11.4	6.32	7.22	---	---	MEAN
MAX	---	---	---	---	43.7	38.7	60.6	19.5	8.07	8.99	---	---	MAX
MIN	---	---	---	---	1.74	12.0	12.6	6.69	5.04	5.67	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.6
MAXIMUM DAILY, 60.6 ON JUL 16
MINIMUM DAILY, 1.74 ON MAY 2
MAXIMUM INSTANTANEOUS,
63.3 AT 17:34 MST ON JUL 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 31 24 N
LONG 117 55 49 W
DRAINAGE AREA, 959 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	65 300
FEB	---	AUG	30 500
MAR	---	SEP	15 400
APR	---	OCT	19 300
MAY	31 000	NOV	---
JUN	52 100	DEC	---

TOTAL DISCHARGE, 216 000 dam³

WILLOW CREEK ABOVE CHAIN LAKES - STATION NO. 05AB026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1490	0.1108	0.4148	0.740	1.21	3.23	0.660	0.221	0.303	1.15	0.5008	0.5008	1
2	0.1498	0.0908	0.4218	0.734	1.18	2.84	0.593	0.209	0.236	1.34	0.548	0.4808	2
3	0.1488	0.0708	0.4608	0.689	1.21	2.58	0.547	0.203	0.201	1.30	0.571	0.4618	3
4	0.1398	0.0658	0.5938	0.709	2.11	2.31	0.534	0.190	0.201	1.53	0.673	0.4408	4
5	0.1408	0.0708	0.4608	0.693	2.76	2.55	0.560	0.187	0.284	1.70	0.676	0.4208	5
6	0.1448	0.0708	0.5228	0.670	3.20	2.56	0.549	0.229	0.305	1.85	0.655	0.4008	6
7	0.1638	0.0758	0.5338	0.670	2.83	2.75	0.503	0.203	0.288	1.97	0.644	0.3908	7
8	0.1758	0.0758	0.4368	0.682	2.99	3.92	0.489	0.170	0.267	2.20	0.6378	0.3808	8
9	0.1928	0.0758	0.2918	0.723	2.99	3.40	0.454	0.170	0.292	2.05	0.6108	0.3708	9
10	0.2008	0.0658	0.2608	0.815	3.41	2.64	0.438	0.173	0.315	2.08	0.5868	0.3608	10
11	0.1898	0.0628	0.2268	0.790	3.71	2.28	0.393	0.176	0.351	1.87	0.5568	0.3578	11
12	0.1958	0.0958	0.2318	0.720	3.47	2.06	0.371	0.172	0.436	1.67	0.5208	0.3688	12
13	0.1808	0.0968	0.4108	0.6808	3.21	1.84	0.356	0.169	0.436	1.50	0.5068	0.3498	13
14	0.1878	0.0868	0.3818	0.6608	3.04	1.70	0.332	0.224	0.432	1.31	0.5288	0.2758	14
15	0.2008	0.1088	0.3608	0.794	3.24	1.68	0.328	0.185	0.419	1.16	0.5348	0.2508	15
16	0.2108	0.1188	0.4048	1.07	3.33	1.61	0.385	0.154	0.422	1.08	0.5788	0.2308	16
17	0.2008	0.1138	0.4018	1.26	3.56	1.36	0.707	0.146	0.425	0.981	0.5848	0.2108	17
18	0.1808	0.1108	0.5538	1.18	3.71	1.27	0.525	0.133	0.456	0.890	0.5478	0.2018	18
19	0.1708	0.1028	0.5468	1.19	3.96	1.12	0.442	0.119	0.512	0.849	0.5648	0.1908	19
20	0.1608	0.0978	0.604	1.42	4.26	1.01	0.394	0.114	0.552	0.816	0.5708	0.1858	20
21	0.1148	0.0918	0.868	1.66	5.79	0.945	0.341	0.115	0.580	0.801	0.5808	0.1808	21
22	0.1108	0.0748	0.964	1.84	6.72	0.880	0.311	0.108	0.568	0.772	0.5848	0.1758	22
23	0.1058	0.0618	0.755	1.92	5.63	0.824	0.333	0.107	0.551	0.733	0.5818	0.1708	23
24	0.1008	1.78 0	0.593	1.73	4.67	0.771	0.348	0.102	0.560	0.712	0.5768	0.1658	24
25	0.1008	5.25 0	0.576	1.75	4.32	0.763	0.304	0.102	0.850	0.883	0.5818	0.1608	25
26	0.1308	1.45 0	0.553	1.69	4.73	0.703	0.401	0.104	1.21	0.855	0.5448	0.1558	26
27	0.1608	0.5108	0.686	1.64	5.01	0.691	0.419	0.105	1.14	0.832	0.5718	0.1518	27
28	0.1808	0.3648	0.971	1.46	4.98	0.746	0.356	0.087	1.01	0.816	0.5508	0.1408	28
29	0.1808		1.01	1.31	4.53	0.854	0.304	0.093	0.948	0.598	0.5288	0.1308	29
30	0.1718		0.854	1.25	4.07	0.726	0.279	0.138	0.919	0.622	0.5208	0.1068	30
31	0.1408		0.778		3.62		0.250	0.339		0.636		0.1008	31
TOTAL	4.960	11.352	17.114	33.129	113.55	52.833	13.207	4.957	15.476	36.765	17.727	8.448	TOTAL
MEAN	0.160	0.405	0.552	1.10	3.66	1.75	0.426	0.160	0.516	1.19	0.591	0.273	MEAN
MAX	0.210	5.25	1.01	1.92	6.72	3.92	0.707	0.339	1.21	2.20	0.676	0.500	MAX
MIN	0.100	0.061	0.226	0.660	1.18	0.691	0.250	0.093	0.201	0.599	0.520	0.100	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.802
MAXIMUM DAILY, 6.72 ON MAY 22
MINIMUM DAILY, 0.0618 ON FEB 23
MAXIMUM INSTANTANEOUS,
7.19 AT 15:00 MST ON MAY 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 47 N
LONG 114 12 46 W
DRAINAGE AREA, 162 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	429	JUL	1 140
FEB	981	AUG	428
MAR	1 480	SEP	1 340
APR	2 860	OCT	3 180
MAY	8 810	NOV	1 530
JUN	4 560	DEC	730

TOTAL DISCHARGE, 28 900 dam³

WILLOW CREEK BELOW LANE CREEK - STATION NO. 05AB035

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2.44	1.86	2.72	5.35	2.00	0.845	0.902	1.26	1.028	---	1
2	---	---	2.26	1.80	2.58	5.05	1.84	0.785	0.739	1.88	1.23	---	2
3	---	---	1.76	1.49	2.51	5.59	1.34	0.757	0.655	1.89	1.29	---	3
4	---	---	1.57	1.40	3.22	4.90	1.22	0.743	0.586	1.72	1.55	---	4
5	---	---	1.33	1.42	5.80	4.93	1.27	0.754	0.647	1.79	1.64A	---	5
6	---	---	1.05	1.37	5.49	5.58	1.47	0.833	0.686	1.44	---	---	6
7	---	---	1.33	1.34	6.18	5.87	1.27	0.801	0.655	1.71	---	---	7
8	---	---	1.70	1.26	5.70	5.77	1.21	0.742	0.607	2.25	---	---	8
9	---	---	1.48	1.33	5.58	5.16	1.20	0.751	0.594	3.91	---	---	9
10	---	---	1.26	1.55	5.94	5.42	1.12	0.758	0.649	3.63	---	---	10
11	---	---	1.15	1.84	6.31	4.75	1.00	0.742	0.651	3.51	---	---	11
12	---	---	1.05	1.72	6.39	4.17	0.891	0.697	0.732	3.27	---	---	12
13	---	---	0.993	1.57	5.85	3.76	0.817	0.703	0.747	3.03	---	---	13
14	---	---	1.01	1.47	5.84	3.50	0.748	0.754	0.731	2.81	---	---	14
15	---	---	0.893	1.82	6.06	3.42	0.697	0.779	0.686	2.57	---	---	15
16	---	---	0.865	1.89	6.41	3.17	0.774	0.684	0.696	2.38	---	---	16
17	---	---	0.807	2.52	6.36	2.90	1.71	0.630	0.764	2.21	---	---	17
18	---	---	0.692	2.55	5.28	2.78	1.57	0.588	0.816	2.01	---	---	18
19	---	0.4918	0.778	2.51	5.39	2.67	1.24	0.547	0.998	1.80	---	---	19
20	---	0.4889	0.902	2.44	5.85	2.31	1.08	0.528	1.06	1.66	---	---	20
21	---	0.5788	1.08	2.81	7.47	2.13	0.971	0.508	1.11	1.59	---	---	21
22	---	0.4498	1.38	3.23	9.62	1.94	0.853	0.511	1.05	1.47	---	---	22
23	---	0.3808	1.22	3.85	9.66	1.79	0.840	0.615	0.988	1.38	---	---	23
24	---	8.80 B	0.987	3.70	9.00	1.69	1.15	0.50.	0.987	1.33	---	---	24
25	---	36.3	0.868	3.50	8.54	1.67	1.26	0.504	1.32	1.25	---	---	25
26	---	7.87	0.786	3.54	8.50	1.54	1.84	0.494	2.70	1.24	---	---	26
27	---	2.74	0.780	3.56	8.77	1.44	1.56	0.481	2.63 A	1.17	---	---	27
28	---	2.29	0.975	3.38	8.83	1.65	1.64	0.455	1.83 A	1.12	---	---	28
29	---		1.73	3.08	8.44	2.38	1.33	0.458	1.24 A	1.07	---	---	29
30	---		1.92	2.85	7.58	2.53	1.24	0.523	1.02	1.09	---	---	30
31	---		1.82		7.00		1.05	0.931		1.23	---	---	31
TOTAL	---	---	30. 6	88.06	202.76	108.70	37.807	20.423	28.476	59.92	---	---	TOTAL
MEAN	---	---	1.26	2.27	6.54	3.62	1.21	0.659	0.983	1.93	---	---	MEAN
MAX	---	---	2.44	3.85	9.66	5.35	2.00	0.931	2.70	3.63	---	---	MAX
MIN	---	---	0.692	1.25	2.51	1.44	0.697	0.455	0.586	1.07	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.31
MAXIMUM DAILY, 9.66 ON MAY 23
MINIMUM DAILY, 0.455 ON AUG 28
MAXIMUM INSTANTANEOUS,
69.1 A7 01 29 MST ON FEB 25

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 08 25 N
LONG 113 56 21 W
DRAINAGE AREA, 727 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1966

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 250
FEB	---	AUG	1 760
MAR	3 370	SEP	2 550
APR	5 880	OCT	5 180
MAY	17 500	NOV	---
JUN	9 390	DEC	---

TOTAL DISCHARGE, 48 900 dam³

WILLOW CREEK NEAR CLARESHOLM - STATION NO. 05AB021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.7108	0.7408	3.40 A	1.74A	2.66A	5.85	2.18	0.890	0.955	1.04	1.12 B	0.8588	1
2	0.7358	0.7408	3.48 A	1.64A	2.52A	5.48	1.69	0.885	0.852	1.21	1.31 B	0.8008	2
3	0.7318	0.7558	2.46 A	1.59A	2.47A	5.14	1.28	0.852	0.715	1.51	1.29	0.7508	3
4	0.6408	0.7388	2.10 A	1.46A	2.78A	4.58	1.08	0.630	0.674	1.50	1.33	0.7008	4
5	0.5808	0.7208	1.78 A	1.38A	4.28A	4.33	1.09	0.557	0.744	1.43	1.41	0.6608	5
6	0.5378	0.6908	1.63 A	1.36A	5.52A	4.88	1.29	0.598	0.711	1.43	1.61	0.6008	6
7	0.6268	0.6608	2.70 A	1.38A	5.97A	5.40	1.24	0.630	0.717	1.38	1.30 B	0.5508	7
8	0.6708	0.6308	2.06 A	1.42A	5.84A	5.42	1.12	0.591	0.693	1.68	1.23 B	0.5208	8
9	0.7008	0.6008	1.71 A	1.24A	5.19A	5.80	1.09	0.592	0.702	2.25	0.9888	0.5008	9
10	0.7388	0.5808	1.52 A	1.21A	5.28A	5.50	0.993	0.587	0.621	2.81	0.7328	0.4808	10
11	0.7808	0.5618	1.39 A	1.54A	5.67A	4.69	0.920	0.854	0.693	3.18	0.6208	0.5208	11
12	0.7808	0.5358	1.45 A	1.78A	5.84A	4.20	0.804	0.554	0.695	3.06	0.5608	0.5808	12
13	0.8108	0.5208	1.32 A	1.66A	5.67A	3.78	0.735	0.524	0.766	2.92	0.5008	0.6408	13
14	0.8388	0.5358	1.25 A	1.51A	5.11A	3.43	0.699	0.613	0.840	2.74	0.4408	0.7008	14
15	0.8558	0.5508	1.12 A	1.49A	5.58A	3.37	0.543	0.597	0.782	2.56	0.4008	0.7418	15
16	0.8708	0.6008	1.01 A	1.64A	5.60A	3.14	0.517	0.645	0.765	2.40	0.3808	0.7708	16
17	0.8958	0.6208	0.9708	1.98A	5.67A	2.85	0.714	0.592	0.789	2.24	0.3508	0.7808	17
18	0.8908	0.6328	0.8638	2.55A	5.78A	2.55	1.61	0.521	0.785	2.10	0.4408	0.7508	18
19	1.05 B	0.6008	0.7258	2.45A	5.70A	2.48	1.31	0.488	0.751	1.95	0.5208	0.7208	19
20	1.05 B	0.5808	0.8028	2.35A	5.97A	2.20	1.05	0.480	0.834	1.83	0.5008	0.7108	20
21	1.05 B	0.5958	0.7898	2.33A	6.21A	1.85	0.863	0.453	0.855	1.71	0.7808	0.7008	21
22	1.01 B	0.6108	1.05 A	2.78A	9.41A	1.77	0.714	0.456	0.844	1.64	0.9208	0.6808	22
23	1.02 B	0.5158	1.26 A	3.27A	10.0 A	1.57	0.655	0.443	0.787	1.51	1.10 B	0.6708	23
24	1.03 B	2.29 B	1.25 A	3.50A	9.26A	1.40	0.681	0.430	0.726	1.43	1.84 B	0.6408	24
25	1.05 B	40.0 B	1.13 A	3.23A	8.35A	1.40	0.983	0.435	0.893	1.39	2.00 B	0.6308	25
26	1.06 B	14.5 A	1.01 A	3.19A	7.82	1.31	1.32	0.422	1.42	1.33	1.84 B	0.6108	26
27	1.06 B	4.11 A	1.00 A	3.27A	7.64	1.18	1.55	0.421	2.51 A	1.28	1.76 B	0.6008	27
28	0.9438	4.11 A	0.9858	3.29A	8.23	1.24	1.39	0.394	1.85 A	1.23	1.60 B	0.6008	28
29	0.8408		1.17 A	3.11A	7.83	1.61	1.33	0.361	1.45 A	1.17	1.38 B	0.6008	29
30	0.7808		1.82 A	2.76A	7.21	2.46	1.23	0.480	1.18	1.18	1.06 B	0.6008	30
31	0.7428		1.74 A		6.59		1.19	0.771		1.20		0.6208	31
TOTAL	25.148	78.487	47.182	84.17	187.42	100.93	33.653	17.110	27.869	55.30	31.588	20.290	TOTAL
MEAN	0.843	2.84	1.52	2.14	6.05	3.37	1.09	0.552	0.922	1.82	1.05	0.655	MEAN
MAX	1.06	40.0	3.48	3.54	10.0	5.85	2.18	0.890	2.51	3.18	2.00	0.859	MAX
MIN	0.537	0.520	0.726	1.24	2.47	1.18	0.517	0.361	0.621	1.04	0.350	0.480	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.50
MAXIMUM DAILY, 40.08 ON FEB 25
MINIMUM DAILY, 0.3508 ON NOV 17

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 05 N
LONG 113 42 50 W
DRAINAGE AREA, 1 180 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1966

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 280	JUL	2 910
FEB	5 870	AUG	1 480
MAR	4 070	SEP	2 390
APR	5 540	OCT	4 860
MAY	13 200	NOV	2 730
JUN	8 730	DEC	1 760

TOTAL DISCHARGE, 59 800 dam³

WILLOW CREEK NEAR NOLAN - STATION NO. 05AB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	6.11	2.03	2.47	6.74	3.23	0.924	0.502	1.88	1.43	---	1
2	---	---	4.85	1.94	2.27	6.82	3.02	0.837	0.785	1.58	1.72	---	2
3	---	---	4.57	1.81	2.03	5.61	2.34	0.658	0.958	1.52	1.61A	---	3
4	---	---	3.58	1.79	2.20	4.96	1.76	0.547	0.874	1.80	---	---	4
5	---	---	3.22	1.72	3.02	4.73	1.64	0.582	0.958	1.88	---	---	5
6	---	---	2.81	1.81	3.26	4.82	1.84	0.614	0.985	1.78	---	---	6
7	---	---	2.30	1.87	5.81	5.51	2.02	0.802	0.980	1.77	---	---	7
8	---	---	2.61	1.84	5.78	5.43	1.88	0.598	0.881	1.72	---	---	8
9	---	---	2.71	1.81	5.48	5.51	1.50	0.723	1.02	1.85	---	---	9
10	---	---	4.56	1.81	5.18	5.65	1.23	0.705	1.02	2.28	---	---	10
11	---	---	2.27	1.89	5.32	6.06	1.15	0.749	0.949	2.77	---	---	11
12	---	---	1.98	1.84	5.72	5.32	0.851	0.756	0.951	3.15	---	---	12
13	---	---	1.96	2.05	5.88	4.88	0.708	0.758	0.978	3.06	---	---	13
14	---	---	1.82	1.94	5.4:	4.39	0.720	0.687	1.05	2.95	---	---	14
15	---	---	1.73	1.86	5.62	4.38	0.838	0.616	1.13	2.81	---	---	15
16	---	---	1.76	1.83	5.82	4.20	0.920	0.885	1.18	2.64	---	---	16
17	---	---	1.73	1.85	5.93	3.79	0.989	0.626	1.18	2.52	---	---	17
18	---	---	1.85	2.07	5.67	3.33	1.14	0.591	1.24	2.38	---	---	18
19	---	---	1.87	2.35	5.63	3.15	1.49	0.425	1.25	2.32	---	---	19
20	---	---	1.44	2.32	5.51	2.84	1.71	0.298	1.21	2.24	---	---	20
21	---	---	1.35	2.15	6.02	2.52	1.42	0.328	1.25	2.12	---	---	21
22	---	---	1.56	2.14	7.90	2.33	0.952	0.400	1.36	2.05	---	---	22
23	---	---	1.56	2.48	10.8	2.05	0.749	0.381	1.35	1.98	---	---	23
24	---	---	1.68	2.88	10.7	1.74	0.473	0.300	1.24	1.89	---	---	24
25	---	---	1.83	3.05	9.73	1.57	0.450	0.356	1.36	1.78	---	---	25
26	---	31.0 A	1.47	2.72	8.72	1.45	0.748	0.389	1.60	1.74	---	---	26
27	---	12.6	1.30	2.68	8.27	1.46	0.934	0.386	1.93	1.69	---	---	27
28	---	7.33	1.26	2.60	8.30	1.60	1.31	0.432	2.80	1.65	---	---	28
29	---		1.24	2.82	8.31	1.68	1.31	0.234	2.39	1.64	---	---	29
30	---		1.41	2.94	7.83	2.14	1.23	0.384	2.02	1.69	---	---	30
31	---		1.97		7.28		1.12	0.481		1.70	---	---	31
TOTAL	---	---	69.57	62.81	189.87	116.43	41.681	17.012	37.431	64.61	---	---	TOTAL
MEAN	---	---	2.24	2.09	6.12	3.95	1.34	0.549	1.25	2.08	---	---	MEAN
MAX	---	---	6.11	3.05	10.7	6.74	3.23	0.924	2.80	3.15	---	---	MAX
MIN	---	---	1.24	1.51	2.03	1.45	0.450	0.234	0.502	1.52	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.45
MAXIMUM DAILY, 10.7 ON MAY 24
MINIMUM DAILY, 0.234 ON AUG 29
MAXIMUM INSTANTANEOUS,
100E ON FEB 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 47 33 N
LONG 113 32 13 W
DRAINAGE AREA, 2 290 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1966

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 600
FEB	---	AUG	1 470
MAR	6 010	SEP	3 230
APR	5 410	OCT	5 580
MAY	16 400	NOV	---
JUN	10 200	DEC	---

TOTAL DISCHARGE, 51 900 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS DERIVED FROM HIGH WATER MARK AND A PROJECTED LOGARITHMIC PLOT

WILLOW RIVER NEAR WABASCA - STATION NO. 07JA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.4208	0.5208	7.04	7.08	7.02	5.29	1.22	2.16	---	---	1
2	---	---	0.3608	0.5108	5.86	6.26	6.20	7.92	1.14	2.16	---	---	2
3	---	---	0.3408	0.5008	5.92	5.36	5.53	6.83	1.09	2.08	---	---	3
4	---	---	0.3358	0.5808	6.87	4.62	4.90	7.13	1.05	2.02	---	---	4
5	---	---	0.3388	0.5208	10.8	4.16	5.15	12.0	1.00	2.00	---	---	5
6	---	---	0.3348	0.7008	11.2	3.94	5.94	12.0	0.950	2.05	---	---	6
7	---	---	0.3328	0.6008	9.99	3.69	10.3	10.4	0.914	1.97	---	---	7
8	---	---	0.3508	1.00 B	8.38	3.13	6.74	6.57	0.884	2.07	---	---	8
9	---	---	0.3608	2.18 A	7.64	2.81	7.91	7.00	0.861	2.04	---	---	9
10	---	---	0.3659	5.00 E	7.19	2.81	5.58	5.08	0.991	1.93	---	---	10
11	---	---	0.3658	4.20 E	6.78	2.43	5.61	5.31	0.894	1.88	---	---	11
12	---	---	0.3458	3.50 E	6.21	2.82	7.84	4.80A	0.823	1.73	---	---	12
13	---	---	0.3208	3.00 E	5.81	4.86	16.3	4.50E	0.778	1.60	---	---	13
14	---	---	0.3108	2.40 E	5.35	4.92	15.7	4.25E	0.758	1.51	---	---	14
15	---	---	0.3308	1.90 E	5.03	4.31	16.2	4.05E	0.741	1.46	---	---	15
16	---	---	0.3608	1.63 A	4.67	3.62	34.0	4.02E	0.736	1.38	---	---	16
17	---	---	0.4158	1.40 E	4.10	2.96	29.0	4.15E	0.741	1.27	---	---	17
18	---	---	0.3288	1.20 E	3.92	2.62	34.1	3.95E	0.711	1.21	---	---	18
19	---	---	0.3688	1.13 E	3.77	2.68	41.4	3.88E	0.712	1.13	---	---	19
20	---	---	0.4558	1.70 E	3.80	4.96	39.3	3.68E	0.704	1.09	---	---	20
21	---	---	0.6208	3.25 E	3.86	16.3	30.1	3.42E	0.681	1.06	---	---	21
22	---	---	0.8008	7.90 E	3.93	30.9	24.4	3.15E	0.691	1.04	---	---	22
23	---	---	0.7408	8.69 A	27.7	33.3	20.5	3.06E	0.719	1.04	---	---	23
24	---	---	0.6858	4.37 A	26.3	26.0	17.8	1.95E	0.691	1.03	---	---	24
25	---	0.3488	0.6048	4.31	22.3	21.7	15.8	1.85E	0.671	0.989	---	---	25
26	---	0.3368	0.6408	3.70	19.1	18.0	14.2	1.88E	0.685	0.978	---	---	26
27	---	0.3468	0.6808	3.38	16.7	14.8	12.9	1.58A	0.707	0.851	---	---	27
28	---	0.3878	0.7508	4.16	14.1	12.3	12.5	1.45	0.934	0.936	---	---	28
29	---		0.8308	5.93	11.8	10.3	13.2	1.38	1.84	0.8948	---	---	29
30	---		0.8058	8.55	9.84	8.38	12.4	1.29	2.06	0.6358	---	---	30
31	---		0.8408		8.17		10.7	1.21		0.5858		---	31
TOTAL	---	---	14.712	85.930	297.82	271.82	488.32	148.68	27.357	44.848	---	---	TOTAL
MEAN	---	---	0.475	2.80	9.61	9.05	15.8	4.74	0.912	1.44	---	---	MEAN
MAX	---	---	0.880	8.55	27.7	33.3	44.4	12.0	2.06	2.16	---	---	MAX
MIN	---	---	0.310	0.580	3.80	2.43	4.90	1.21	0.685	0.585	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.83
MAXIMUM DAILY, 44.4 ON JUL 19
MINIMUM DAILY, 0.310B ON MAR 14
MAXIMUM INSTANTANEOUS,
45.0 AT 10:00 MST ON JUL 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 54 45 N
LONG 113 55 17 W
DRAINAGE AREA, 1 030 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	42 200
FEB	---	AUG	12 700
MAR	1 270	SEP	2 380
APR	7 510	OCT	3 880
MAY	25 700	NOV	---
JUN	23 500	DEC	---

TOTAL DISCHARGE, 119 000 dam³

WINAGAMI LAKE AT PROVINCIAL PARK - STATION NO. 07BF005

DAILY WATER LEVEL IN METRES FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	821.863	---	---	821.588	821.605	821.601	---	---	---	1
2	---	---	---	821.885	821.825	821.884	821.588	821.610	821.508	---	---	---	2
3	---	---	---	821.903	---	821.874	821.593	821.600	---	---	---	---	3
4	---	---	---	821.883	---	821.884	---	---	821.461	---	---	---	4
5	---	---	---	---	821.883	821.880	821.589	821.600	821.488	---	---	---	5
6	---	---	---	---	---	821.885	---	821.590	---	---	---	---	6
7	---	---	---	---	---	821.885	821.578	---	---	---	---	---	7
8	---	---	---	821.883	---	821.885	---	821.590	---	---	---	---	8
9	---	---	---	---	821.783	821.850	821.589	821.580	---	---	---	---	9
10	---	---	---	---	821.772	821.845	821.589	821.580	821.482	---	---	---	10
11	---	---	---	821.895	821.782	821.836	821.589	821.570	---	---	---	---	11
12	---	---	---	---	821.762	821.836	821.589	---	---	---	---	---	12
13	---	---	---	---	---	821.836	821.589	821.570	---	---	---	---	13
14	---	---	---	821.883	---	821.836	821.589	821.580	---	---	---	---	14
15	---	---	---	821.883	821.762	821.818	821.595	821.541	---	821.483	---	---	15
16	---	---	---	821.873	821.752	821.832	821.618	821.551	---	---	---	---	16
17	---	---	---	---	821.752	821.827	821.614	821.551	---	---	---	---	17
18	---	---	---	---	---	821.807	821.628	---	---	---	---	---	18
19	---	---	---	---	821.730	---	821.628	---	821.472	---	---	---	19
20	---	---	---	---	---	821.827	---	821.541	---	---	---	---	20
21	---	---	---	---	---	---	821.588	821.531	---	---	---	---	21
22	---	---	---	821.863	821.723	821.808	---	821.521	821.462	---	---	---	22
23	---	---	---	821.856	821.726	821.823	821.628	821.531	821.462	---	---	---	23
24	---	---	---	---	---	821.838	821.649	821.521	---	---	---	---	24
25	---	---	---	821.851	821.722	821.818	821.630	821.511	821.457	---	---	---	25
26	---	---	---	---	821.713	821.818	821.630	---	---	---	---	---	26
27	---	---	821.893	---	821.703	821.808	---	821.507	---	---	---	---	27
28	---	821.856	---	---	821.703	821.798	821.630	---	---	821.456	---	---	28
29	---	---	---	---	821.703	821.798	---	---	---	---	---	---	29
30	---	---	---	---	821.703	821.788	821.630	---	---	---	---	---	30
31	---	---	---	---	---	---	821.625	---	---	---	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 37 27 N
LONG 115 40 51 W

REGULATED

DRAINAGE AREA
2 350 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WOLF CREEK AT HIGHWAY NO 168 - STATION NO 07AG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.5858	0.7888	0.5748	3.538	9.70	7.66	4.16	32.1	1.94	37.4	2.848	2.128	1
2	0.5988	0.8488	0.7818	3.088	8.87	6.96	4.24	25.4	1.89	40.8	4.138	2.168	2
3	0.6228	0.8498	0.7518	2.678	9.49	5.81	3.74	20.8	1.88	34.0	3.648	2.198	3
4	0.6848	0.8948	0.7248	2.688	12.5	5.15	3.84	17.8	1.95	28.2	2.948	2.198	4
5	0.7028	1.12 B	0.8088	3.028	14.1	4.96	5.84	16.7	2.40	24.0	2.868	2.178	5
6	0.6768	0.9938	0.6938	3.618	14.8	4.40	10.5	16.2	3.33	19.2	2.778	2.158	6
7	0.6958	0.8788	0.6738	3.628	15.1	4.67	10.6	14.0	3.19	14.6	2.798	2.088	7
8	0.7158	0.8498	0.8898	3.488	13.5	4.48	9.59	11.0	2.76	12.2	3.348	2.038	8
9	0.7128	0.7788	1.01 B	4.078	12.7	4.16	9.85	8.78	2.48	10.2	2.588	2.038	9
10	0.7848	0.8218	1.39 B	4.118	14.4	3.96	13.1	7.56	2.27	9.00	3.318	1.998	10
11	0.7688	0.8098	2.83 B	3.988	20.6	3.97	15.6	6.87	2.39	8.01	3.718	1.908	11
12	0.7598	0.8048	2.67 B	3.908	20.5	4.41	17.0	7.04	4.16	6.86	3.568	1.928	12
13	0.7128	0.7998	1.86 B	3.348	17.8	4.30	25.9	10.3	5.93	6.17	3.458	1.928	13
14	0.7148	0.8258	1.32 B	3.858	16.0	3.84	41.7	8.19	5.96	5.54	3.268	1.888	14
15	0.8858	0.7478	1.22 B	3.628	17.0	3.88	34.9	8.53	5.27	5.35	3.048	1.898	15
16	0.5818	0.7658	1.26 B	3.508	21.4	5.48	41.1	5.84	4.74	4.94	2.888	1.848	16
17	0.5538	0.8898	1.74 B	4.198	22.9	8.15	89.5	4.81	4.56	4.83	2.808	1.788	17
18	0.5378	0.9028	1.83 B	4.648	21.1	8.67	391 A	4.13	4.51	4.10	2.728	1.738	18
19	0.5338	0.8188	1.42 B	5.038	17.1	7.46	265 E	3.82	4.16	3.78	2.788	1.688	19
20	0.5218	0.7498	1.34 B	5.198	15.8	9.97	168 E	3.71	3.71	3.41	2.748	1.698	20
21	0.5858	0.7908	1.44 B	4.988	14.4	8.81	100 E	3.38	3.32	3.31	2.748	1.648	21
22	0.6048	0.7338	1.60 B	4.468	20.5	8.80	68.2 A	3.05	2.98	3.30	2.738	1.578	22
23	0.5848	0.6418	1.59 B	5.308	27.2	8.52	51.8	2.78	2.77	3.12	2.638	1.578	23
24	0.6008	0.6068	1.34 B	5.528	25.4	6.86	38.8	2.60	2.56	2.89	2.478	1.598	24
25	0.5918	0.5958	1.20 B	6.178	21.1	6.35	32.0	2.53	2.51	2.79	2.428	1.588	25
26	0.5408	0.4768	1.17 B	5.828	18.3	3.97	27.8	2.44	5.23	2.73	2.408	1.608	26
27	0.5548	0.4208	1.43 B	4.948	16.0	3.42	28.6	2.42	21.4	2.73	2.358	1.608	27
28	0.5808	0.4188	2.20 B	4.818	13.5	2.96	26.1	2.31	29.2	2.71	2.308	1.588	28
29	0.7048		2.80 B	5.88	11.6	3.68	26.9	2.22	30.2	2.71	2.248	1.578	29
30	0.7408		3.21 B	8.73	10.1	3.93	43.2	2.10	29.8	2.87	2.188	1.478	30
31	0.8018		3.50 B		8.84		40.3	2.00		2.378		1.518	31
TOTAL	20.344	21.384	49.024	131.45	503.40	182.39	1 850.38	259.02	199.48	313.72	80.83	55.54	TOTAL
MEAN	0.653	0.763	1.52	4.38	16.2	6.08	53.2	8.36	6.65	10.1	2.69	1.82	MEAN
MAX	0.801	1.12	2.80	8.73	27.2	9.97	391	32.1	30.2	40.8	4.13	2.19	MAX
MIN	0.521	0.418	0.574	3.67	8.84	3.68	3.74	2.00	1.85	2.37	2.18	1.47	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 9.43
MAXIMUM DAILY, 391A ON JUL 19
MINIMUM DAILY, 0.4188 ON FEB 28
MAXIMUM INSTANTANEOUS,
570 ON JUL 19

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 35 55 N
LONG 116 18 15 W

DRAINAGE AREA, 839 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 750	JUL	143 000
FEB	1 850	AUG	22 400
MAR	4 080	SEP	17 200
APR	11 400	OCT	27 100
MAY	43 500	NOV	7 480
JUN	15 200	DEC	4 890

TOTAL DISCHARGE, 298 000 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE WAS DERIVED FROM HIGH WATER MARK

WOLF RIVER AT OUTLET OF WOLF LAKE - STATION NO. 08AB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0 B	0.0088	0.215E	0.830E	0.332	4.84	0.558	0.073	0.0318	0.0288	1
2	0B	0B	0 B	0.0068	0.240E	0.785E	0.322	4.84	0.475	0.072	0.0308	0.0308	2
3	0B	0B	0 B	0.0078	0.265E	0.745E	0.288	4.79	0.382	0.071	0.0278	0.0338	3
4	0B	0B	0 B	0.0088	0.293E	0.738A	0.258	4.68	0.351	0.088	0.0228	0.0328	4
5	0B	0B	0 B	0.0098	0.323E	0.785	0.288	4.84	0.331	0.088	0.0208	0.0338	5
6	0B	0B	0 B	0.0108	0.361E	0.888	0.259	4.42	0.302	0.083	0.0198	0.0358	6
7	0B	0B	0 B	0.0128	0.393A	0.654	0.270	4.17	0.275	0.082	0.0148	0.0418	7
8	0B	0B	0 B	0.0138	0.441E	0.629	0.301	3.86	0.261	0.083	0.0138	0.0428	8
9	0B	0B	0 B	0.0158	0.490E	0.583	0.297	3.63	0.248	0.058	0.0148	0.0418	9
10	0B	0B	0 B	0.0178	0.535E	0.528	0.300	3.64	0.225	0.042	0.0158	0.0498	10
11	0B	0B	0 B	0.0198	0.580E	0.487	0.305	3.51	0.218	0.051	0.0148	0.0508	11
12	0B	0B	0 B	0.0218	0.630E	0.513	0.361	3.31	0.208	0.051	0.0138	0.0498	12
13	0B	0B	0 B	0.0238	0.680E	0.488	0.472	3.15	0.183	0.048	0.0138	0.0528	13
14	0B	0B	0 B	0.0258	0.740E	0.459	0.785	2.91	0.178	0.049	0.0138	0.0538	14
15	0B	0B	0 B	0.0288	0.800E	0.433	1.03	2.58	0.168	0.051	0.0138	0.0568	15
16	0B	0B	0 B	0.0358	0.845E	0.414	1.43	2.51	0.151	0.051	0.0128	0.0598	16
17	0B	0B	0 B	0.0428	0.885E	0.394	1.98	2.43	0.139	0.050	0.0118	0.0618	17
18	0B	0B	0 B	0.0508	0.920E	0.386	2.49	2.35	0.126	0.047	0.0138	0.0638	18
19	0B	0B	0 B	0.0598	0.950E	0.422	2.73	2.15	0.114	0.048	0.0158	0.0558	19
20	0B	0B	0 B	0.0678	0.980E	0.383	3.04	2.11	0.105	0.051	0.0158	0.0598	20
21	0B	0B	0 0018	0.0768	1.00 E	0.357	3.37	1.93	0.098	0.050	0.0178	0.0658	21
22	0B	0B	0 0018	0.085E	0.995E	0.377	3.65	1.80	0.085	0.049	0.0178	0.0658	22
23	0B	0B	0 0018	0.095E	0.985E	0.367	3.71	1.70	0.082	0.049	0.0178	0.0708	23
24	0B	0B	0 0028	0.105E	0.975E	0.399	3.88	1.55	0.086	0.047	0.0188	0.0738	24
25	0B	0B	0 0028	0.117E	0.960E	0.379	4.06	1.48	0.071	0.044	0.0218	0.0738	25
26	0B	0B	0 0038	0.130E	0.945E	0.358	4.15	1.33	0.073	0.043	0.0278	0.0788	26
27	0B	0B	0 0038	0.143E	0.925E	0.356	4.16	1.25	0.075	0.040	0.0278	0.0828	27
28	0B	0B	0 0038	0.160E	0.905E	0.360	4.29	1.08	0.074	0.0368	0.0288	0.0818	28
29	0B		0 0048	0.178E	0.890E	0.364	4.35	0.948	0.074	0.0368	0.0258	0.0848	29
30	0B		0 0048	0.195E	0.875E	0.338	4.47	0.806	0.074	0.0258	0.0258	0.0928	30
31	0B		0 0058		0.850E		4.68	0.677		0.0348		0.0948	31
TOTAL	0	0	0 029	1.756	21.871	15.030	52.307	85.271	5.804	1.600	0.581	1.778	TOTAL
MEAN	0	0	0 001	0.059	0.706	0.501	2.01	2.75	0.193	0.052	0.019	0.057	MEAN
MAX	0	0	0 005	0.195	1.00	0.830	4.68	4.84	0.558	0.073	0.031	0.094	MAX
MIN	0	0	0	0.006	0.215	0.338	0.259	0.677	0.071	0.034	0.011	0.028	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.537
MAXIMUM DAILY, 4.84 ON AUG 1
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
4.93 AT 15 02 MST ON AUG 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 42 47 N
LONG 111 00 15 W
DRAINAGE AREA, 725 km²

B - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	5 380
FEB	0	AUG	7 370
MAR	2 51	SEP	501
APR	152	OCT	138
MAY	1 890	NOV	48 5
JUN	1 300	DEC	154

TOTAL DISCHARGE, 15 900 dam³

WOLVERINE CREEK NEAR VALLEYVIEW - STATION NO 07GF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.0178	0.109	0.013	0	0.001	0	0.007	0.0058	0.0028	1
2	---	---	---	0.0228	0.123	0.011	0	0.001	0.001	0.004	0.0158	---	2
3	---	---	---	0.0348	0.140	0.009	0	0.001	0.001	0.005	0.0118	---	3
4	---	---	---	0.0488	0.137	0.007	0	0.002	0	0.013	0.0068	---	4
5	---	---	---	0.0678	0.129	0.007	0.001	0.001	0	0.008	0.0048	---	5
6	---	---	---	0.1658	0.111	0.005	0.001	0.001	0	0.005	---	---	6
7	---	---	---	0.1598	0.103	0.004	0.001	0.001	0	0.005	---	---	7
8	---	---	---	0.1408	0.175	0.004	0.001	0.001	0	0.005	---	---	8
9	---	---	---	0.1498	0.115	0.004	0.001	0.001	0	0.004	---	---	9
10	---	---	0 0028	0.1178	0.080	0.002	0	0.001	0	0.004	0.0038	---	10
11	---	---	---	0.1118	0.043	0.002	0	0.001	0.002	0.004	---	---	11
12	---	---	---	0.0868	0.039E	0.002	0.001	0.001	0.002	0.003	---	---	12
13	---	---	---	0.0748	0.044E	0.002	0.002	0.001	0.001	0.002	---	---	13
14	---	---	0 0028	0.0698	0.058	0.002	0.003	0.001	0.001	0.003	---	---	14
15	---	---	---	0.0868	0.072	0.002	0.007	0.001	0.001	0.003	---	---	15
16	---	---	---	0.104	0.073	0.002	0.011	0.001	0.001	0.002	---	---	16
17	---	---	0 0018	0.228	0.058	0.003	0.012	0	0.001	0.003	---	---	17
18	---	---	0 0038	0.370	0.146	0.004	0.011	0	0.001	0.003	---	---	18
19	---	---	0 0128	0.350	0.090	0.004	0.007	0	0	0.003	---	---	19
20	---	---	0 0178	0.235	0.026	0.003	0.005	0	0.001	0.002	---	---	20
21	---	---	0 0848	0.164	0.024	0.002	0.003	0	0.001	0.003	---	---	21
22	---	---	0 0288	0.168	0.077	0.004	0.002	0	0	0.002	---	---	22
23	---	---	0 0158	0.110	0.054	0.004	0.013	0	0.001	0.002	---	---	23
24	---	---	0 0088	0.075	0.056	0.001	0.015	0	0.001	0.002	---	---	24
25	---	---	0 0098	0.068	0.081	0.001	0.008	0	0.001	0.003	---	---	25
26	---	---	0 0258	0.054	0.071	0.001	0.005	0	0.003	0.0038	---	---	26
27	---	---	0 0368	0.041	0.048	0.001	0.003	0	0.014	0.0028	---	---	27
28	---	---	0 0438	0.052	0.045	0.001	0.003	0	0.009	0.0038	---	---	28
29	---		0 0458	0.108	0.038	0	0.002	0	0.005	0.0038	---	---	29
30	---		0 0408	0.199	0.023	0	0.003	0	0.007	0.0038	---	---	30
31	---		0 0258		0.014		0.002	0		0.0048		---	31
TOTAL	---	---	---	3.805	2.444	0.107	0.124	0.017	0.055	0.118	---	---	TOTAL
MEAN	---	---	---	0.120	0.079	0.004	0.004	0.001	0.002	0.004	---	---	MEAN
MAX	---	---	---	0.370	0.175	0.013	0.015	0.002	0.014	0.013	---	---	MAX
MIN	---	---	---	0.017	0.014	0	0	0	0	0.002	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.030
MAXIMUM DAILY, 0.370 ON APR 18
MINIMUM DAILY, 0 ON JUN 28
MAXIMUM INSTANTANEOUS,
0.504 AT 20 05 MST ON MAY 18

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 55 17 N
LONG 117 48 32 W
DRAINAGE AREA, 11.1 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	10.7
FEB	---	AUG	1.47
MAR	---	SEP	4.75
APR	312	OCT	10.2
MAY	211	NOV	---
JUN	8.24	DEC	---

TOTAL DISCHARGE, 559 dam³

YOUNG DRAINAGE PROJECT NEAR SPIRIT RIVER - STATION NO. 07FD913

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1688	0.1208	0.0178	0	0	0	0	0	---	---	1
2	---	---	0.2688	0.0428	0.024	0	0	0	0	0	---	---	2
3	---	---	0.3888	0.0508	0.019	0	0	0	0	0	---	---	3
4	---	---	0.2278	0.0848	0.008	0	0	0	0	0	---	---	4
5	---	---	0.0308	0.0578	0	0	0	0	0	0	---	---	5
6	---	---	---	0.0318	0	0	0	0	0	0	---	---	6
7	---	---	---	0.0148	0	0	0	0	0	0	---	---	7
8	---	---	---	0.0048	0	0	0	0	0	0	---	---	8
9	---	---	---	0.0048	0	0	0	0	0	0	---	---	9
10	---	---	---	0	B	0	0	0	0	0	---	---	10
11	---	---	---	0	B	0	0	0	0	0	---	---	11
12	---	---	---	0	B	0	0	0	0	0	---	---	12
13	---	---	---	0	B	0	0	0	0	0	---	---	13
14	---	---	---	0	B	0	0	0	0	0	---	---	14
15	---	---	---	0	B	0.088	0	0	0	0	---	---	15
16	---	---	---	0	B	0.170	0	0	0	0	---	---	16
17	---	---	---	0		0.090	0	0	0	0	---	---	17
18	---	---	---	0		0.051	0	0	0	0	---	---	18
19	---	---	---	0.020		0.044	0	0	0	0	---	---	19
20	---	---	---	0.035		0.037	0	0	0	0	---	---	20
21	---	---	0.0048	0.025		0.018	0	0	0	0	---	---	21
22	---	---	---	0.010		0	0	0	0	0	---	---	22
23	---	---	---	0		0	0	0	0	0	---	---	23
24	---	---	---	0		0	0	0	0	0	---	---	24
25	---	---	---	0		0	0	0	0	0	---	---	25
26	---	---	---	0		0	0	0	0	0	---	---	26
27	---	---	---	0		0	0	0	0	0	---	---	27
28	---	2.708	0.8038	0		0	0	0	0	0	---	---	28
29	---		0.3748	0		0	0	0	0	0	---	---	29
30	---		0.2898	0		0	0	0	0	0	---	---	30
31	---		0.0868	0.0018		0	0	0	0	0	---	---	31
			0.1758			0							
TOTAL	---	---	---	0.487	0.575	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	---	0.018	0.018	0	0	0	0	0	---	---	MEAN
MAX	---	---	---	0.120	0.170	0	0	0	0	0	---	---	MAX
MIN	---	---	---	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM INSTANTANEOUS,
2.70 AT 17 29 MST ON FEB 28

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 48 00 N
LONG 113 47 00 W
DRAINAGE AREA, 31 6 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	---	SEP	0
APR	80 3	OCT	0
MAY	63 7	NOV	---
JUN	0	DEC	---

NAME	STATION NO.	PAGE
ADAMS CREEK NEAR KINUSO	07BJ004	1
AETNA CREEK AT HIGHWAY NO. 501	05AE012	1
ALBERTA POWER LIMITED CODLING POND OUTLET	05CG007	2
ALKALI CREEK NEAR THE MOUTH	05CK005	2
AMISK CREEK NEAR SHONTS	05EB018	3
AMISK RIVER AT HIGHWAY NO. 36	06AA002	3
ANTELOPE COULEE SPILLWAY	05BN010	4
ATHABASCA RIVER ABOVE JACKFISH CREEK	07DD007	4
ATHABASCA RIVER AT ATHABASCA	07BE001	5
ATHABASCA RIVER AT HINTON	07AD002	5
ATHABASCA RIVER BELOW MCMURRAY	07DA001	6
ATHABASCA RIVER NEAR JASPER	07AA002	6
ATHABASCA RIVER NEAR OLD FORT	07DD011	7
ATHABASCA RIVER NEAR WINDFALL	07AE001	7
ATIM CREEK NEAR SPRUCE GROVE	05EA009	8
ATIMOSWE CREEK NEAR ELK POINT	05ED002	8
ATLAS MINE COULEE AT WESTERN MONARCH	05CG005	9
BABETTE CREEK NEAR COLINTON	07CA008	9
BAPTISTE LAKE NEAR ATHABASCA	07BE002	10
BAPTISTE RIVER NEAR THE MOUTH	05DC012	10
BARE CREEK RESERVOIR NEAR ELKWATER	11AB094	11
BARRIER LAKE NEAR SEEBE	05BF024	11
BATTERSEA DRAIN NEAR THE MOUTH	05AD038	12
BATTLE RIVER ABOVE PIPESTONE CREEK	05FA023	12
BATTLE RIVER NEAR FORESTBURG	05FC001	13
BATTLE RIVER NEAR ONOKA	05FA001	13
BATTLE RIVER NEAR THE SASKATCHEWAN BOUNDARY	05FE004	14
BEAR CREEK NEAR INTERNATIONAL BOUNDARY	11AA026	14
BEAR CREEK NEAR VALHALLA CENTRE	07GE007	15
BEAR LAKE NEAR CLAIRMONT	07GE004	15
BEAR RIVER NEAR GRANDE PRAIRIE	07GE005	16
BEARBERRY CREEK NEAR SUNDRE	05CA011	16
BEAVER CREEK NEAR BROCKET	05AB013	17
BEAVER LAKE AT RANGER STATION	06AA003	17
BEAVER RIVER ABOVE SYNCRUDE	07DA018	18
BEAVER RIVER AT COLD LAKE RESERVE	05AD005	18
BEAVER RIVER NEAR GOODRIDGE	06AA001	19
BEAVERDAM CREEK NEAR COCHRANE	05CB005	19
BEAVERHILL CREEK NEAR THE MOUTH	05EB015	20
BEAVERLODGE RIVER NEAR BEAVERLODGE	07GD001	20
BEAVERTAIL CREEK NEAR MYTHE	07GD002	21
BEDDINGTON CREEK NEAR CALGARY	05BH904	21
BELLY - ST. MARY DIVERSION CANAL	05AD021	22
BELLY RIVER NEAR GLENWOOD	05AD041	22
BELLY RIVER NEAR MOUNTAIN VIEW	05AD005	23
BERLAND RIVER NEAR THE MOUTH	07AC007	23
BERRY CREEK BELOW DEADFISH CREEK	05CH016	24
BERRY CREEK NEAR ROSE LYNN	05CH008	24
BERRY CREEK NEAR THE MOUTH	05CH007	25
BERRY CREEK RESERVOIR NEAR SUNNYNOOK	05CH014	25
BERRY CREEK RESERVOIR OUTLET	05CH011	26
BIGELOW RESERVOIR NEAR WIMBORNE	05CE901	26
BIGKNIFE CREEK NEAR GADSBY	05FC002	27
BIRCH CREEK NEAR CONKLIN	07CE006	27
BIRCH RIVER BELOW ALICE CREEK	07KE001	28
BLACKMUD CREEK NEAR ELLERSLIE	05DF003	28
BLINDMAN RIVER NEAR BLACKFALDS	05CC001	29
BLINDMAN RIVER NEAR BLUFFTON	05CC008	29
BLOOD INDIAN CREEK NEAR CABIN LAKE	05CK007	30
BLOOD INDIAN CREEK NEAR THE MOUTH	05CK001	30
BOUNTIFUL COULEE INFLOW NEAR CRANFORD	05AG026	31
BOW RIVER ABOVE CARSELAND DAM	05BM019	31
BOW RIVER AT BANFF	05BB001	32
BOW RIVER AT CALGARY	05BH004	32
BOW RIVER AT LAKE LOUISE	05BA001	33
BOW RIVER BELOW BASSANO DAM	05BM004	33
BOW RIVER BELOW BEARSPAW DAM	05BH008	34
BOW RIVER BELOW CARSELAND DAM	05BM002	34
BOW RIVER BELOW GHOST DAM	05BE004	35
BOW RIVER DEVELOPMENT DRAIN D NEAR VAUXHALL	05BN004	35
BOW RIVER DEVELOPMENT DRAIN K NEAR VAUXHALL	05BN009	36
BOW RIVER DEVELOPMENT DRAIN T NEAR HAYS	05AG005	36
BOW RIVER DEVELOPMENT MAIN CANAL	05AC004	37
BOW RIVER DEVELOPMENT MAIN CANAL AT DROP NO. 3	05AC902	37
BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL A NEAR HEADGATE	05AC013	38
BOW RIVER NEAR SEEBE	05BE004	38
BOW RIVER NEAR THE MOUTH	05BN012	39
BOXELDER CREEK AT HARGRAVE'S RANCH	05AH050	39
BOYER RIVER NEAR FORT VERMILION	07JF002	40
BOYER RIVER NEAR PADDLE PRAIRIE	07JF004	40
BRAZEAU RESERVOIR	05DD005	41
BRAZEAU RIVER BELOW BRAZEAU PLANT	05DD005	41
BRAZEAU RIVER BELOW CARDINAL RIVER	05DD007	42
BREWSTER CREEK NEAR BANFF	05BB004	42
BRIDLEBIT CREEK NEAR VALLEYVIEW	07GF005	43
BROWN CREEK AT FORESTRY ROAD	05DD004	43
BUCHANAN CREEK NEAR MANNING	07HC002	44
BUFFALO CREEK AT HIGHWAY NO. 41	05FE002	44
BUFFALO LAKE NEAR ERSKINE	05CD005	45
BULLPOUND CREEK NEAR THE MOUTH	05CG003	45
BULLPOUND CREEK NEAR WATTS	05CG004	46
CABIN CREEK NEAR SEEBE	05BF019	46
CADOTTE RIVER AT OUTLET CADOTTE LAKE	07HB001	47
CAIRN HILL SPILLWAY NEAR THE MOUTH	0F3M012	47
CALLING LAKE AT RANGER STATION	07CB001	48
CANADIAN ST. MARY CANAL AT DROP NO. 1	05AF028	48
CANADIAN ST. MARY CANAL NEAR SPRING COULEE	05AE026	49
CARDINAL RIVER NEAR THE MOUTH	05DD008	49
CASCADE POWER DIVERSION NEAR BANFF	05BD004	50
CASCADE RIVER ABOVE LAKE MINNEWANKA	05BD005	50
CASTLE RIVER AT RANGER STATION	05AA028	51
CASTLE RIVER NEAR BEAVER MINES	05AA022	51
CATARACT CREEK NEAR FORESTRY ROAD	05BL022	52
CAVAN LAKE DIVERSION NEAR DUNMORE	05AH044	52
CAVAN LAKE NEAR DUNMORE	05AH048	53
CHAIN LAKES RESERVOIR NEAR NANTON	05AB037	53
CHENAL DES QUATRE FOURCHES AT QUATRE FOURCHES	07KF001	54
CHINCHAGA RIVER NEAR HIGH LEVEL	07DC001	54
CHIP LAKE AT OUTLET TO LOBSTICK RIVER	07EB008	55
CHRISTINA RIVER NEAR CHARD	07CE002	55
CHRISTMAS CREEK NEAR BLUE RIDGE	07AH002	56
CLEAR BROOK NEAR STAVELY	05AC033	56
CLEAR RIVER NEAR BEAR CANYON	07FD008	57
CLEARWATER RIVER ABOVE CHRISTINA RIVER	07CD005	57
CLEARWATER RIVER ABOVE LIMESTONE CREEK	05DB003	58
CLEARWATER RIVER AT DRAPER	07CD001	58
CLEARWATER RIVER NEAR DOVERCOURT	05DB005	59

NAME	STATION NO.	PAGE
COAL CREEK AT BOW CITY	05BN014	59
COAL LAKE RESERVOIR NEAR WETASKIWIN	05FA015	60
COLD LAKE AT COLD LAKE	06AF002	60
COLQUHOUN CREEK NEAR GRANDE PRAIRIE	07GE005	61
COLUMBINE CREEK NEAR THE MOUTH	05AA004	61
CONNOR CREEK NEAR SANGUDO	07BE009	62
COOKING LAKE AT COOKING LAKE	05EB012	62
COTTONWOOD CREEK NEAR TWIN BUTTE	05AD903	63
COYOTE CREEK NEAR CHERHILL	07BB014	63
CRESSDAY RESERVOIR NEAR CRESSDAY	11AB097	64
CROWFOOT CREEK NEAR CLUNY	05EM003	64
CROWSNEST RIVER AT FRANK	05AA008	65
CUTBANK RIVER NEAR GRANDE PRAIRIE	07GB001	65
DAPP CREEK AT HIGHWAY NO. 44	07BC006	66
DEADFISH INFLOW CANAL NEAR CESSFORD	05CH012	66
DEEP VALLEY CREEK NEAR VALLEYVIEW	07GF008	67
DEER CREEK (MAIN STEM) NEAR SUNDRE	05CA003	67
DEERLICK CREEK NEAR HINTON	07AF004	68
DICKSON DAM TUNNEL OUTLET	05CB007	68
DICKSON RESERVOIR NEAR DICKSON	05CB006	69
DOG RIVER NEAR FITZGERALD	07NB008	69
DRAIN L-5 NEAR DIAMOND CITY	05AD0-0	70
DRAIN S-10 NEAR BOW ISLAND	05AJ003	70
DRAIN S-5 NEAR GRASSY LAKE	05AJ002	71
DRAIN T-1 NEAR TABER	05AG027	71
DRIEDMEAT CREEK NEAR THE MOUTH	05FA018	72
DRIEDMEAT LAKE AT OUTFLOW	05FA020	72
DRIFTPILE RIVER NEAR DRIFTPILE	07BH003	73
DRIFTWOOD RIVER NEAR THE MOUTH	07BK007	73
DRY COULEE NEAR MAGRATH	05AE041	74
DRYWOOD CREEK NEAR THE MOUTH	05AD010	74
DRYWOOD CREEK NEAR TWIN BUTTE	05AD015	75
DUTCH CREEK NEAR THE MOUTH	05AA026	75
EAST PRAIRIE RIVER NEAR ENILDA	07BF001	76
EASTERN IRRIGATION DISTRICT EAST BRANCH CANAL NEAR LATHOM	05CJ003	76
EASTERN IRRIGATION DISTRICT NORTH BRANCH CANAL NEAR BASSANO	05CJ001	77
EASTERN IRRIGATION DISTRICT SPRINGHILL CANAL NEAR LATHOM	05CJ004	77
ELBOW RIVER ABOVE ELBOW FALLS	05BJ005	78
ELBOW RIVER AT BRAGG CREEK	05BJ004	78
ELBOW RIVER AT SARCEE BRIDGE	05BJ010	79
ELBOW RIVER BELOW GLENMORE DAM	05BJ001	79
ELDER CREEK AT HIGHWAY NO. 686	07HB002	80
ELKWATER LAKE AT ELKWATER	05AH025	80
ELLS RIVER NEAR THE MOUTH	07DA017	81
EMBARRAS RIVER AT ROBB	07AF909	81
EMBARRAS RIVER NEAR WEALD	07AF014	82
ERITH RIVER BELOW HANLAN CREEK	07AF907	82
ETHEL LAKE NEAR COLD LAKE	06AC004	83
ETZIKOM COULEE NEAR HEMISKAM	05AF905	83
EUNICE CREEK NEAR HINTON	07AF005	84
EUREKA RIVER NEAR WORSLEY	07FD013	84
EXPANSE COULEE NEAR THE MOUTH	05AG003	85
FALLENTIMBER CREEK NEAR SUNDRE	05CA012	85
FAWCETT LAKE NEAR SMITH	07BK008	85
FIREBAG RIVER NEAR THE MOUTH	07DC001	86
FISH CREEK ABOVE LITTLE FISH LAKE	05CG006	87
FISH CREEK NEAR PRIDDIS	05BK001	87
FLAT CREEK NEAR BOYLE	07CA003	88
FOOTHILLS CREEK NEAR PINCHER CREEK	05AD901	88
FORSTER RESERVOIR NEAR CESSFORD	05CH013	89
FREEMAN RIVER NEAR FORT ASSINIBOINE	07AH001	89
GALWEY BROOK NEAR WATERTON PARK	05AD904	90
GHOST LAKE NEAR COCHRANE	05BE005	90
GHOST RIVER ABOVE WAIPAROUS CREEK	05BG010	91
GHOST RIVER DIVERSION TO LAKE MINNEWANKA	05BG003	91
GHOST RIVER NEAR BLACK ROCK MOUNTAIN	05BG002	92
GLENMORE RESERVOIR AT CALGARY	05BJ008	92
GOAT CREEK AT BANFF PARK BOUNDARY	05BC008	93
GOLD CREEK NEAR FRANK	05AA030	93
GRANDE PRAIRIE CREEK NEAR SEXSMITH	07GE003	94
GREASEWOOD RESERVOIR NEAR ELKWATER	11AB092	94
GREGG RIVER NEAR THE MOUTH	07AF015	95
GREGOIRE LAKE NEAR FORT MCMURRAY	07CE001	95
GROAT CREEK NEAR WHITECOURT	07AG008	96
GROS VENTRE CREEK NEAR DUNMORE	05AH037	96
GULL LAKE AT ASPEN BEACH	05CC005	97
HAMMER HILL SPILLWAY NEAR GLEICHEN	05BM005	97
HANGINGSTONE RIVER AT FORT MCMURRAY	07CD004	98
HARTLEY CREEK NEAR FORT MACKAY	07DA009	98
HASTINGS LAKE NEAR DEVILLE	05EB011	99
HAY RIVER NEAR MEANDER RIVER	07OBJ03	99
HAYNES CREEK NEAR HAYNES	05CD006	100
HEART RIVER NEAR NAMPA	07HA003	100
HIGHWOOD DIVERSION CANAL NEAR HEADGATE	05BL025	101
HIGHWOOD RIVER AT DIEBEL'S RANCH	05BL019	101
HIGHWOOD RIVER AT HIGH RIVER	05BL003	102
HIGHWOOD RIVER BELOW LITTLE BOW CANAL	05BL004	102
HIGHWOOD RIVER NEAR ALDERSYDE	05BL009	103
HIGHWOOD RIVER NEAR THE MOUTH	05BL024	103
HILDA LAKE NEAR COLD LAKE	06AC003	104
HINES CREEK ABOVE GERRY LAKE	07FD011	104
HINES CREEK NEAR FAIRVIEW	07FD008	105
HORSE CREEK NEAR VALLEYVIEW	07GF007	105
HOUSE RIVER AT HIGHWAY NO. 63	07CB002	106
HUTCH LAKE TRIBUTARY NEAR HIGH LEVEL	07OB007	106
IOSEGUN RIVER NEAR LITTLE SMOKY	07GG003	107
IRON CREEK NEAR HARDISTY	05FB002	107
IRON CREEK NEAR VIKING	05FB003	108
ISLE LAKE AT EUREKA BEACH	05EA001	108
JACKFISH CREEK NEAR LA COREY	05AC001	108
JACKFISH RIVER BELOW CHRISTINA LAKE	07CE005	109
JACKPINE CREEK AT WADLIN LAKE ROAD	07JD003	110
JAMES RIVER NEAR SUNDRE	05CA002	110
JAYDOT RESERVOIR NEAR JAYDOT	11AB098	111
JOHNSTON CREEK NEAR THE MOUTH	05BA006	111
JOSLYN CREEK NEAR FORT MACKAY	07DA018	112
JUMPINGPOUND CREEK NEAR COX HILL	05BN013	112
JUMPINGPOUND CREEK NEAR THE MOUTH	05BN009	113
KAKWA RIVER NEAR GRANDE PRAIRIE	07GB002	113
KANANASKIS RIVER ABOVE POCATERRA CREEK	05BF003	114
KANANASKIS RIVER BELOW BARRIER DAM	05BF025	114

NAME	STATION NO.	PAGE
KEG RIVER AT HIGHWAY NO. 35	07MF002	115
KENNEDY COULEE NEAR ACADIA VALLEY	05CK006	115
KILLARNEY LAKE TRIBUTARY NEAR CHAUVIN	05GA010	116
KIRKPATRICK LAKE TRIBUTARY NEAR SPONDIN	05GA009	116
KLESKUN HILLS MAIN DRAIN NEAR GRANDE PRAIRIE	07GE002	117
KNEEHILLS CREEK NEAR DRUMHELLER	05CE002	117
KRAWCHUK DRAINAGE NEAR MCLENNAN	07HA002	118
KYISKAP CREEK NEAR GRANUM	05AB038	118
L.N.I.D. - MONARCH BRANCH CANAL BELOW MONARCH HEADGATES	05AC028	119
LA BICHE RIVER AT HIGHWAY NO. 63	07CA011	119
LAC LA BICHE AT LAC LA BICHE	07CA004	120
LAC LA NONNE AT LAC LA NONNE	07BB007	120
LAC STE. ANNE AT ALBERTA BEACH	05EA006	121
LAFOND CREEK NEAR RED EARTH CREEK	07JC001	121
LAKE ABRAHAM NEAR NORDEGG	05DC009	122
LAKE ATHABASCA AT EUSTARD ISLAND	07MD002	122
LAKE ATHABASCA AT FORT CHIPEWYAN	07MD001	123
LAKE CLAIRE NEAR OUTLET TO PRAIRIE RIVER	07KF002	123
LAKE MINNEWANKA NEAR BANFF	05BD003	124
LAKE SHERBURNE	05AE036	124
LALBY CREEK NEAR GIROUXVILLE	07GJ005	125
LATERAL 10 SPILLWAY NEAR CHIN	05AG007	125
LEE CREEK AT CARDSTON	05AE002	126
LEE CREEK BELOW CONFLUENCE OF EAST FORK	05AE904	126
LESSER SLAVE LAKE AT FAUST	07BJ002	127
LESSER SLAVE LAKE AT SLAVE LAKE	07BJ006	127
LESSER SLAVE RIVER AT HIGHWAY NO. 2A	07BK006	128
LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL ABOVE OLDMAN FLUME	05AB019	128
LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW KEHO OUTFLOW	05AC026	129
LITTLE BERLAND RIVER AT HIGHWAY NO. 40	07AC008	129
LITTLE BOW CANAL AT HIGH RIVER	05BL015	130
LITTLE BOW RIVER AT CARMANGAY	05AC003	130
LITTLE BOW RIVER BELOW TRAVERS DAM	05AC012	131
LITTLE BOW RIVER NEAR THE MOUTH	05AC023	131
LITTLE ELBOW RIVER ABOVE NIHAHI CREEK	05BJ009	132
LITTLE PADDLE RIVER NEAR MAYERTHORPE	07BB005	132
LITTLE RED DEER RIVER NEAR THE MOUTH	05CB001	133
LITTLE RED DEER RIVER NEAR WATER VALLEY	05CB002	133
LITTLE SMOKY RIVER AT LITTLE SMOKY	07GG002	134
LITTLE SMOKY RIVER NEAR GUY	07GM002	134
LLOYD CREEK NEAR BLUFFTON	05CC009	135
LOBSTICK RIVER NEAR STYAL	07BB003	135
LODGE CREEK AT HIGHWAY NO. 41	11AB002	136
LOGAN RIVER NEAR THE MOUTH	07CA012	136
LOMOND LATERAL NEAR HEADGATE	05AC017	137
LOVETT RIVER NEAR THE MOUTH	07BA003	137
LOWER KANANASKIS LAKE	05BF009	138
LOYALIST CREEK NEAR CONSORT	05GA013	138
LUTOSE CREEK NEAR STEEN RIVER	07DB006	139
MACKAY CREEK AT WALSH	05AM002	139
MACKAY CREEK NEAR GRABURN GAP	05AM042	140
MACKAY RIVER ABOVE DUNKIRK RIVER	07DB005	140
MACKAY RIVER NEAR FORT MACKAY	07DB001	141
MAGRATH IRRIGATION DISTRICT CANAL NEAR SPRING COULEE	05AE021	141
MALIGNE RIVER NEAR JASPER	07AA004	142
MAMAWI LAKE CHANNEL AT OLD DOG CAMP	07KF003	142
MANATOKAN CREEK NEAR IRON RIVER	06AC009	143
MANYBERRIES CREEK AT BRODIN'S FARM	05AF010	143
MARIE LAKE NEAR COLD LAKE	06AC005	144
MARMOT CREEK MAIN STEM NEAR SEEBE	05BF015	144
MARTINEAU RIVER ABOVE COLD LAKE	06AF008	145
MASKWA CREEK NO. 1 ABOVE BEARHILLS LAKE	05FA014	145
MASSY RESERVOIR NEAR ELKWATER	11AB104	146
MATZHIWIN CREEK ABOVE WARE COULEE	05CJ007	146
MCALPINE CREEK (EAST FORK) NEAR ELKWATER LAKE	05AM043	147
MCGILLIVRAY CREEK NEAR COLEMAN	05AA013	147
MCGREGOR LAKE INFLOW NEAR MILO	05AC024	148
MCGREGOR TRAVERS CANAL NEAR CHAMPION	05AC025	148
MCLEOD RIVER ABOVE EMBARRAS RIVER	07AF002	149
MCLEOD RIVER NEAR CADOMIN	07AF013	149
MCLEOD RIVER NEAR ROSEVEAR	07AG007	150
MCLEOD RIVER NEAR WHITECOURT	07AG004	150
MEADOW CREEK NEAR THE MOUTH	05AB029	151
MEANDER RIVER AT OUTLET HUTCH LAKE	07DB005	151
MEDICINE RIVER NEAR ECKVILLE	05CC007	152
MEETING CREEK NEAR DONALDA	05FC006	152
MICHEL RESERVOIR NEAR ELKWATER	11AB091	153
MICHICHI CREEK AT DRUMHELLER	05CE020	153
MIDDLE CREEK NEAR THE SASKATCHEWAN BOUNDARY	11AB009	154
MIDDLE FORK CREEK IN CIROUE NEAR SEEBE	05BF020	154
MIDDLE FORK CREEK NEAR SEEBE	05BF017	155
MIETTE RIVER NEAR JASPER	07AA001	155
MILK RIVER AT EASTERN CROSSING OF INTERNATIONAL BOUNDARY	11AA031	156
MILK RIVER AT MILK RIVER	11AA005	156
MILK RIVER AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY	11AA025	157
MILK RIVER RIDGE RESERVOIR	05AF030	157
MILL CREEK NEAR THE MOUTH	05AA011	158
MINERS COULEE NEAR INTERNATIONAL BOUNDARY	11AA029	158
MINISTIK LAKE NEAR NEW SAREPTA	05EB013	159
MIQUELON LAKE AT PROVINCIAL PARK	05EB014	159
MISTAYA RIVER NEAR SASKATCHEWAN CROSSING	05 A007	160
MITCHELL RESERVOIR NEAR ELKWATER	11AB089	160
MONITOR CREEK NEAR CONSORT	05GA011	161
MONITOR CREEK NEAR MONITOR	05GA003	161
MONTAGNEUSE RIVER NEAR HINES CREEK	07FD012	162
MOORE LAKE NEAR COLD LAKE	06AC002	162
MOOSEHILLS CREEK NEAR ELK POINT	05ED003	163
MOOSELAKE RIVER NEAR FRANCHERE	06AC006	163
MOSQUITO CREEK NEAR THE MOUTH	05AC031	164
MOUNTAIN VIEW IRRIGATION DISTRICT CANAL	05AD017	164
MUD LAKE DIVERSION CANAL	05BF013	165
MURIEL LAKE AT GURNEYVILLE	06AC007	165
MUSKEG CREEK NEAR WESTEROSE	05FA912	166
MUSKEG RIVER NEAR FORT MACKAY	07DA008	166
MUSKEG RIVER NEAR GRANDE CACHE	07GA002	167
NAMEPI CREEK NEAR THE MOUTH	05EC004	167
NEW WEST COULEE NEAR THE MOUTH	05BN005	168
NINE MILE COULEE NEAR LETHBRIDGE	05AE042	168
NORDEGG RIVER AT SUNCHILD ROAD	05DD009	169
NORTH FORK MILK RIVER ABOVE ST. MARY CANAL	11AA032	169
NORTH MILK RIVER NEAR INTERNATIONAL BOUNDARY	11AA001	170
NORTH RAM RIVER AT FORESTRY ROAD	05DC011	170
NORTH SASKATCHEWAN RIVER AT EDMONTON	05DF001	171
NORTH SASKATCHEWAN RIVER AT WHIRLPOOL POINT	05DA005	171
NORTH SASKATCHEWAN RIVER BELOW BIGHORN PLANT	05DC010	172
NORTH SASKATCHEWAN RIVER NEAR LODGEPOLE	05DE005	172

NAME	STATION NO.	PAGE
NORTH SASKATCHEWAN RIVER NEAR ROCKY MOUNTAIN HOUSE	05DC001	173
NOSE CREEK AT CALGARY	05BH003	173
NOSE CREEK NEAR THE MOUTH	05BH901	174
NOTIKEWIN RIVER AT MANNING	07HC001	174
OLDMAN RIVER NEAR BROOKET	05AA024	175
OLDMAN RIVER NEAR LETHBRIDGE	05AD007	175
OLDMAN RIVER NEAR THE MOUTH	05AG006	176
OLDMAN RIVER NEAR WALDRON'S CORNER	05AA023	176
ONETREE CREEK NEAR PATRICIA	05CJ005	177
OWL RIVER BELOW PICHE RIVER	07CA013	177
PADDLE RIVER AT BARRHEAD	07BB005	178
PADDLE RIVER AT HIGHWAY NO. 754	07BB013	178
PADDLE RIVER NEAR ANSELMO	07BB011	179
PADDLE RIVER NEAR ROCHFORT BRIDGE	07BB004	179
PADDLE RIVER NEAR SANGUDO	07BB012	180
PAINTEARTH CREEK NEAR HALKIRK	05FC004	180
PARFLESH CREEK NEAR CHANCELLOR	05BM007	181
PARLBY CREEK AT ALIX	05CD007	181
PARLBY CREEK NEAR MIRROR	05CD902	182
PEACE RIVER AT DUNVEGAN BRIDGE	07FD003	182
PEACE RIVER AT FORT VERMILION	07MF001	183
PEACE RIVER AT PEACE POINT	07KC001	183
PEACE RIVER AT PEACE RIVER	07HA001	184
PEACE RIVER BELOW CHENAL DES QUATRE FOURCHES	07KC005	184
PEAVINE CREEK NEAR PALMER	07GH004	185
PEERLESS LAKE NEAR PEERLESS LAKE	07JB001	185
PELICAN CREEK NEAR PAKOWKI ROAD	05AH041	186
PEKISKO CREEK NEAR LONGVIEW	05BL023	186
PEMBINA RIVER AT JARVIE	07BC002	187
PEMBINA RIVER BELOW PADDY CREEK	07BA001	187
PEMBINA RIVER NEAR ENTWISTLE	07BB002	188
PICHE RIVER NEAR IMPERIAL MILLS	07CA010	188
PIGEON LAKE AT GRANDVIEW	05FA013	189
PIGEON LAKE CREEK NEAR USONA	05FA018	189
PINCHER CREEK AT PINCHER CREEK	05AA004	190
PINE CREEK NEAR GRASSLAND	07CA005	190
PINTO CREEK NEAR GRANDE PRAIRIE	07GC002	191
PIPESTONE CREEK BELOW BIGSTONE CREEK	05FA022	191
PIPESTONE RIVER NEAR LAKE LOUISE	05BA002	192
PIYAMI DRAIN NEAR PICTURE BUTTE	05AD037	192
POINTE-AUX-PINS CREEK NEAR ARDROSSAN	05EB902	193
POINTE-AUX-PINS TRIBUTARY NO. 1 NEAR ARDROSSAN	05EB908	193
POINTE-AUX-PINS TRIBUTARY NO. 2 NEAR ARDROSSAN	05EB910	194
POINTE-AUX-PINS TRIBUTARY NO. 3 NEAR ARDROSSAN	05EB911	194
PONTON RIVER ABOVE BOYER RIVER	07JF003	195
PONY CREEK NEAR CHARD	07CE003	195
POPLAR CREEK NEAR FORT MCMURRAY	07DA007	196
PORTER CREEK ABOVE BAPTISTE LAKE	07BE003	196
POTHOLE CREEK AT RUSSELL'S RANCH	05AE016	197
POTHOLE TURNOUT NEAR MAGRATH	05AE038	197
PRAIRIE BLOOD COULEE NEAR LETHBRIDGE	05AD035	198
PRAIRIE CREEK BELOW LICK CREEK	05DB005	198
PRAIRIE CREEK NEAR ROCKY MOUNTAIN HOUSE	05DB002	199
PUNK CREEK NEAR THE MOUTH	05AB003	199
RACEHORSE CREEK NEAR THE MOUTH	05AA027	200
RAM RIVER NEAR THE MOUTH	05DC006	200
RAT CREEK NEAR CYNTHIA	07BA002	201
RAVEN RIVER NEAR RAVEN	05CB004	201
RAY CREEK NEAR INNISFAIL	05CE010	202
RED DEER RIVER ABOVE PANTHER RIVER	05CA004	202
RED DEER RIVER AT DRUMHELLER	05CE001	203
RED DEER RIVER AT RED DEER	05CC002	203
RED DEER RIVER BELOW BURNT TIMBER CREEK	05CA005	204
RED DEER RIVER NEAR BINDLOSS	05CK004	204
REDEARTH CREEK NEAR THE MOUTH	05BB005	205
REDWATER RIVER NEAR THE MOUTH	05EC005	205
REDWATER RIVER NEAR VIMY	05EC007	206
REDWILLOW CREEK NEAR RED WILLOW	05FC005	206
REDWILLOW RIVER NEAR BEAVERLODGE	07GD003	207
REESOR RESERVOIR NEAR ELKWATER	11AB030	207
REITA CREEK NEAR OUTLET OF ANGLING LAKE	06AD013	208
RENWICK CREEK NEAR THREE HILLS	05CE011	208
RIBSTONE CREEK NEAR CZAR	05FD005	209
RIBSTONE CREEK NEAR EDGERTON	05FD001	209
RIBSTONE CREEK TRIBUTARY NEAR CORONATION	05FD006	210
RICHARDSON LAKE AT THE OUTLET	07DD008	210
RICHARDSON RIVER NEAR THE MOUTH	07DD002	211
RIVIERE DES ROCHERS ABOVE SLAVE RIVER	07NA001	211
RIVIERE DES ROCHERS EAST OF LITTLE RAPIDS	07NA007	212
RIVIERE DES ROCHERS WEST OF LITTLE RAPIDS	07NA008	212
ROBERT CREEK NEAR ANZAC	07CE004	213
ROCKY CREEK NEAR VALLEYVIEW	07GF008	213
ROLLING HILLS CANAL NO. 1 SPILL	05BN015	214
ROLLING HILLS CANAL NO. 2 SPILL	05BN015	214
ROLPH CREEK NEAR KIMBALL	05AE005	215
ROMEO CREEK ABOVE ROMEO LAKE	07BF903	215
RONALANE WASTEWAY NEAR HAYS	05BK007	216
ROSE CREEK NEAR ALDER FLATS	05DF007	216
ROSEBUD RIVER AT REDLAND	05CE005	217
ROSEBUD RIVER BELOW CARSTAIRS CREEK	05CE004	217
ROSS CREEK AT MEDICINE HAT	05AH049	218
ROSS CREEK AT OUTLET OF ELKWATER LAKE	05AH045	218
ROSS CREEK NEAR IRVINE	05AH003	219
RUSH LAKE DRAIN NEAR NEW DAYTON	05AF031	219
RYCROFT SURVEY NO. 3 NEAR RYCROFT	07FD910	220
SADDLE RIVER NEAR WOKING	07FD006	220
SAGE CREEK AT O RANCH NEAR WILDHORSE	11AA025	221
SAKWATAMAU RIVER NEAR WHITECOURT	07AH003	221
SALT CREEK NEAR GROUARD	07BF009	222
SAM LAKE TRIBUTARY NEAR SCHULER	05AH047	222
SAND RIVER NEAR THE MOUTH	06AB001	223
SAULTEAUX RIVER NEAR SPURFIELD	07BK005	223
SAWRIDGE CREEK NEAR SLAVE LAKE	07BK009	224
SEVEN PERSONS CREEK AT MEDICINE HAT	05AH005	224
SHEEP COULEE NEAR CARSTAIRS	05CE019	225
SHEEP RIVER AT BLACK DIAMOND	05BL014	225
SIFFLEUR RIVER NEAR THE MOUTH	05DA002	226
SILVERHORN CREEK NEAR THE MOUTH	05DA010	226
SIMONETTE RIVER NEAR GODDWIN	07GF001	227
SLAVE RIVER AT FITZGERALD	07NB001	227
SMOKY RIVER ABOVE WELLS CREEK	07GA001	228
SMOKY RIVER AT WATINO	07GJ001	228
SNAKE CREEK NEAR VULCAN	05AC030	229
SNAKE INDIAN RIVER NEAR THE MOUTH	07AB002	229
SOUNDING CREEK NEAR CHINOOK	05GA012	230

NAME	STATION NO.	PAGE
SOUNDING CREEK NEAR DYEN	05GA008	230
SOUSA CREEK NEAR HIGH LEVEL	07DA001	231
SOUTH FORK MILK RIVER NEAR BARR	11AA033	231
SOUTH HEART RESERVOIR NEAR MCLENNAN	07BF008	232
SOUTH SASKATCHEWAN RIVER AT HIGHWAY NO. 41	05AK001	232
SOUTH SASKATCHEWAN RIVER AT MEDICINE HAT	05AJ001	233
SOUTH WABASCA LAKE NEAR DESMARAIS	07JA002	233
SPRAY POWER DIVERSION AT CANMORE	05BE007	234
SPRAY RESERVOIR AT THREE SISTERS DAM	05BC008	234
SPRAY RIVER AT BANFF	05BC001	235
SPRING CREEK (UPPER) NEAR VALLEYVIEW	07GF004	235
SPRING CREEK NEAR VALLEYVIEW	07GF002	236
SQUAW COULEE DIVERSION BELOW SQUAW COULEE DAM	05AC017	236
ST. MARY CANAL AT ST. MARY CROSSING	05AE029	237
ST. MARY RESERVOIR NEAR SPRING COULEE	05AE025	237
ST. MARY RIVER AT INTERNATIONAL BOUNDARY	05AE027	238
ST. MARY RIVER NEAR LETHBRIDGE	05AE006	238
STEELE LAKE NEAR JARVIE	07BC005	239
STEEN RIVER NEAR STEEN RIVER	07DB004	239
STEEPBANK RIVER NEAR FORT MCMURRAY	07DA005	240
STIMSON CREEK NEAR PEKISKO	05BL007	240
STIRLING LAKE OUTFLOW NEAR STIRLING	05AF029	241
STONY CREEK NEAR TAWATINAW	07BE004	241
STRAWBERRY CREEK NEAR THE MOUTH	05DF004	242
STREETER CREEK (MAIN STEM) NEAR NANTON	05AB030	242
STURGEON LAKE AT WILLIAMSON PARK	07GH003	243
STURGEON RIVER AT ST. ALBERT	05EA002	243
STURGEON RIVER NEAR FORT SASKATCHEWAN	05EA001	244
STURGEON RIVER NEAR MAGNOLIA BRIDGE	05EA010	244
STURGEON RIVER NEAR VILLENEUVE	05EA005	245
SUNDANCE CREEK NEAR BICKERDIKE	07AF010	245
SUNWAPTA RIVER AT ATHABASCA GLACIER	07AA007	246
SWAN RIVER NEAR KINUSO	07BJ001	246
SWAN RIVER NEAR SWAN HILLS	07BJ003	247
SWIFTCURRENT CREEK AT SHERBURNE	05AE033	247
SYLVAN LAKE AT SYLVAN LAKE	05CE003	248
TEEPEE CREEK NEAR LA CRETE	07JD004	248
THREEHILLS CREEK BELOW RAT CREEK	05CE018	249
THREEHILLS CREEK NEAR CARBON	05CE007	249
THREEPOINT CREEK NEAR MILLARVILLE	05BL013	250
TINASTOLL CREEK NEAR MARKERVILLE	05CC012	250
TODD CREEK AT ELTON'S RANCH	05AA005	251
TODD CREEK NEAR HIGHWAY NO. 22	05AA909	251
TOMAHAWK CREEK NEAR TOMAHAWK	05DE005	252
TOUGH CREEK NEAR BEAZER	05AE038	252
TRAP CREEK NEAR LONGVIEW	05BL027	253
TROUT CREEK NEAR GRANUM	05AB005	253
TWELVE MILE COULEE SPILLWAY NEAR CARSELAND	05BM009	254
TWELVE MILE CREEK NEAR CECIL	05BM002	254
TWIN CREEK NEAR SEEBE	05BF018	255
UNITED IRRIGATION DISTRICT CANAL NEAR HILL SPRING	05AD013	255
UNNAMED CREEK NEAR FORT MACKAY	07DA011	256
UPPER KANANASKIS LAKE	05BF005	256
UTIKUMA LAKE NEAR NIPISI	07JA001	257
VERDIGRIS COULEE NEAR THE MOUTH	11AA038	257
VERMILION PARK LAKE NEAR VERMILION	05EE008	258
VERMILION RIVER DRAINAGE NEAR HOLDEN	05EE913	258
VERMILION RIVER NEAR MARWAYNE	05EE007	259
VERMILION RIVER NEAR VEGREVILLE	05EE003	259
VERMILION RIVER TRIBUTARY NEAR BRUCE	05EE006	260
VIXEN CREEK NEAR BELLOY	07FD921	260
WABAMUN CREEK NEAR DUFFIELD	05DE003	261
WABAMUN LAKE AT WABAMUN	05DE002	261
WABASCA RIVER AT WADLIN LAKE ROAD	07JD002	262
WABASCA RIVER BELOW TROUT RIVER	07JB002	262
WABASH CREEK NEAR PISBROCH	07BC007	263
WABATANISK CREEK AT HIGHWAY NO. 876	07GH005	263
WAINSCOTT COULEE NEAR BROWNVALE	07FD014	264
WAIPAROUS CREEK NEAR THE MOUTH	05BG008	264
WAMPUS CREEK NEAR HINTON	07AF003	265
WANDERING RIVER NEAR WANDERING RIVER	07CA008	265
WAPITI RIVER NEAR GRANDE PRAIRIE	07GE001	266
WARE COULEE ABOVE MATZHIWIN CREEK	05CJ003	266
WASKAHIGAN RIVER NEAR THE MOUTH	07GD001	267
WASKASOO CREEK AT RED DEER	05CC011	267
WASKATENAU CREEK NEAR WASKATENAU	05EC002	268
WATERTON - BELLY DIVERSION CANAL	05AD027	268
WATERTON LAKE AT WATERTON PARK	05AD025	269
WATERTON RESERVOIR	05AD026	269
WATERTON RIVER NEAR GLENWOOD	05AD028	270
WATERTON RIVER NEAR WATERTON PARK	05AD003	270
WEILLER CREEK NEAR WETASKIWIN	05FA024	271
WELCH CREEK TRIBUTARY NEAR LEEDALE	05CC010	271
WEST ARROWWOOD CREEK NEAR ARROWWOOD	05BM014	272
WEST ARROWWOOD CREEK NEAR ENSIGN	05BM018	272
WEST PRAIRIE RIVER NEAR HIGH PRAIRIE	07BF002	273
WESTERN IRRIGATION DISTRICT CANAL "B" NEAR HEADGATE	05BM017	273
WESTERN IRRIGATION DISTRICT CANAL NEAR CHESTERMERE LAKE	05BM003	274
WHIRLPOOL RIVER NEAR THE MOUTH	07AA009	274
WHISKEYJACK CREEK NEAR HINTON	07AD004	275
WHITE EARTH CREEK NEAR SMOKY LAKE	05EC005	275
WHITEHORSE CREEK NEAR CADOMIN	07AF910	276
WHITEMUD CREEK (WEST BRANCH) NEAR IRETON	05DF007	276
WHITEMUD CREEK NEAR ELLERSLIE	05DF008	277
WHITEMUD RIVER NEAR DIXONVILLE	07HA005	277
WILDHAY RIVER NEAR HINTON	07AC001	278
WILLOW CREEK ABOVE CHAIN LAKES	05AB028	278
WILLOW CREEK BELOW LANE CREEK	05AB039	279
WILLOW CREEK NEAR CLARESHOLM	05AB021	279
WILLOW CREEK NEAR NOLAN	05AB003	280
WILLOW RIVER NEAR WABASCA	07JA003	280
WINAGAMI LAKE AT PROVINCIAL PARK	07BF006	281
WOLF CREEK AT HIGHWAY NO. 16A	07AG003	281
WOLF RIVER AT OUTLET OF WOLF LAKE	05AB002	282
WOLVERINE CREEK NEAR VALLEYVIEW	07GF003	282
YOUNG DRAINAGE PROJECT NEAR SPIRIT RIVER	07FD913	283

STATION NO.	NAME	PAGE
05AA004	PINCHER CREEK AT PINCHER CREEK	190
05AA006	TODD CREEK AT ELTON'S RANCH	251
05AA008	CROWSNEST RIVER AT FRANK	65
05AA011	MILL CREEK NEAR THE MOUTH	158
05AA013	MCGILLIVRAY CREEK NEAR COLEMAN	147
05AA022	CASTLE RIVER NEAR BEAVER MINES	51
05AA023	OLDMAN RIVER NEAR WALDRON'S CORNER	176
05AA024	OLDMAN RIVER NEAR BROCKET	175
05AA026	DUTCH CREEK NEAR THE MOUTH	75
05AA027	RACEHORSE CREEK NEAR THE MOUTH	200
05AA028	CASTLE RIVER AT RANGER STATION	51
05AA030	GOLD CREEK NEAR FRANK	93
05AA909	TODD CREEK NEAR HIGHWAY NO. 22	251
05AB002	WILLOW CREEK NEAR NOLAN	280
05AB005	TROUT CREEK NEAR GRANUM	253
05AB013	BEAVER CREEK NEAR BROCKET	17
05AB019	LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL ABOVE OLDMAN FLUME	128
05AB021	WILLOW CREEK NEAR CLARESHOLM	279
05AB024	WILLOW CREEK ABOVE CHAIN LAKES	278
05AB029	MEADOW CREEK NEAR THE MOUTH	151
05AB030	STREETER CREEK (MAIN STEM) NEAR NANTON	242
05AB037	CHAIN LAKES RESERVOIR NEAR NANTON	53
05AB038	KYISKAP CREEK NEAR GRANUM	118
05AB039	WILLOW CREEK BELOW LANE CREEK	279
05AC003	LITTLE BOW RIVER AT CARMANGAY	130
05AC004	BOW RIVER DEVELOPMENT MAIN CANAL	37
05AC012	LITTLE BOW RIVER BELOW TRAVERS DAM	131
05AC013	BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL A NEAR HEADGATE	38
05AC017	LOMOND LATERAL NEAR HEADGATE	137
05AC023	LITTLE BOW RIVER NEAR THE MOUTH	131
05AC024	MCGREGOR LAKE INFLOW NEAR MILO	148
05AC025	MCGREGOR TRAVERS CANAL NEAR CHAMPION	148
05AC026	LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW KEHO OUTFLOW	129
05AC028	L.N.I.D. - MONARCH BRANCH CANAL BELOW MONARCH HEADGATES	118
05AC030	SNAKE CREEK NEAR VULCAN	229
05AC031	MOSQUITO CREEK NEAR THE MOUTH	164
05AC033	CLEAR BROOK NEAR STAVELY	56
05AC902	BOW RIVER DEVELOPMENT MAIN CANAL AT DROP NO. 3	37
05AC917	SQUAW COULEE DIVERSION BELOW SQUAW COULEE DAM	236
05AD003	WATERTON RIVER NEAR WATERTON PARK	270
05AD005	BELLY RIVER NEAR MOUNTAIN VIEW	23
05AD007	OLDMAN RIVER NEAR LETHBRIDGE	175
05AD010	DRYWOOD CREEK NEAR THE MOUTH	74
05AD013	UNITED IRRIGATION DISTRICT CANAL NEAR MILL SPRING	255
05AD016	DRYWOOD CREEK NEAR TWIN BUTTE	75
05AD017	MOUNTAIN VIEW IRRIGATION DISTRICT CANAL	161
05AD021	BELLY - ST. MARY DIVERSION CANAL	22
05AD025	WATERTON LAKE AT WATERTON PARK	269
05AD026	WATERTON RESERVOIR	269
05AD027	WATERTON - BELLY DIVERSION CANAL	268
05AD028	WATERTON RIVER NEAR GLENWOOD	270
05AD035	PRAIRIE BLOOD COULEE NEAR LETHBRIDGE	198
05AD037	PIYAMI DRAIN NEAR PICTURE BUTTE	192
05AD038	BATTERSEA DRAIN NEAR THE MOUTH	12
05AD040	DRAIN L-5 NEAR DIAMOND CITY	70
05AD041	BELLY RIVER NEAR GLENWOOD	22
05AD901	FOOTHILLS CREEK NEAR PINCHER CREEK	88
05AD903	COTTONWOOD CREEK NEAR TWIN BUTTE	63
05AD904	GALWEY BROOK NEAR WATERTON PARK	90
05AE002	LEE CREEK AT CARDSTON	126
05AE005	ROLPH CREEK NEAR KIMBALL	215
05AE006	ST. MARY RIVER NEAR LETHBRIDGE	238
05AE016	POTHOLE CREEK AT RUSSELL'S RANCH	197
05AE021	MAGRATH IRRIGATION DISTRICT CANAL NEAR SPRING COULEE	141
05AE025	ST. MARY RESERVOIR NEAR SPRING COULEE	237
05AE026	CANADIAN ST. MARY CANAL NEAR SPRING COULEE	49
05AE027	ST. MARY RIVER AT INTERNATIONAL BOUNDARY	238
05AE029	ST. MARY CANAL AT ST. MARY CROSSING	237
05AE033	SWIFTCURRENT CREEK AT SHERBURNE	247
05AE036	LAKE SHERBURNE	124
05AE038	POTHOLE TURNOUT NEAR MAGRATH	197
05AE039	TOUGH CREEK NEAR BEAZER	252
05AE041	DRY COULEE NEAR MAGRATH	74
05AE042	NINE MILE COULEE NEAR LETHBRIDGE	168
05AE904	LEE CREEK BELOW CONFLUENCE OF EAST FORK	126
05AE912	AETNA CREEK AT HIGHWAY NO. 501	1
05AF010	MANYBERRIES CREEK AT BRODIN'S FARM	143
05AF028	CANADIAN ST. MARY CANAL AT DROP NO. 1	48
05AF029	STIRLING LAKE OUTFLOW NEAR STIRLING	241
05AF030	MILK RIVER RIDGE RESERVOIR	157
05AF031	RUSH LAKE DRAIN NEAR NEW DAYTON	219
05AF905	FTZIKOM COULEE NEAR NEMISKAM	83
05AG003	EXPANSE COULEE NEAR THE MOUTH	85
05AG005	BOW RIVER DEVELOPMENT DRAIN T NEAR HAYS	38
05AG006	OLDMAN RIVER NEAR THE MOUTH	176
05AG007	LATERAL 10 SPILLWAY NEAR CHIN	125
05AG026	BOUNTIFUL COULEE INFLOW NEAR CHANFORD	31
05AG027	DRAIN T-1 NEAR TABER	71
05AH002	MACKAY CREEK AT WALSH	139
05AH003	ROSS CREEK NEAR IRVINE	219
05AH005	SEVEN PERSONS CREEK AT MEDICINE HAT	224
05AH025	ELKWATER LAKE AT ELKWATER	80
05AH037	GROS VENTRE CREEK NEAR DUNMORE	96
05AH041	PEIGAN CREEK NEAR PAKOWKI ROAD	188
05AH042	MACKAY CREEK NEAR CRABURN GAP	140
05AH043	MCALPINE CREEK (EAST FORK) NEAR ELKWATER LAKE	147
05AH044	CAYAN LAKE DIVERSION NEAR DUNMORE	52
05AH046	ROSS CREEK AT OUTLET OF ELKWATER LAKE	218
05AH047	SAM LAKE TRIBUTARY NEAR SCHULER	222
05AH048	CAYAN LAKE NEAR DUNMORE	53
05AH049	ROSS CREEK AT MEDICINE HAT	218
05AH050	BOXELDER CREEK AT MARGRAVE'S RANCH	39
05AJ001	SOUTH SASKATCHEWAN RIVER AT MEDICINE HAT	233
05AJ002	DRAIN S-4 NEAR GRASSY LAKE	71
05AJ003	DRAIN S-10 NEAR BOW ISLAND	70
05AK001	SOUTH SASKATCHEWAN RIVER AT HIGHWAY NO. 41	232
05BA001	BOW RIVER AT LAKE LOUISE	33
05BA002	PIPESTONE RIVER NEAR LAKE LOUISE	192
05BA006	JOHNSTON CREEK NEAR THE MOUTH	111
05BB001	BOW RIVER AT BANFF	32
05BB004	BREWSTER CREEK NEAR BANFF	42
05BB005	REDEARTH CREEK NEAR THE MOUTH	205
05BC001	SPRAY RIVER AT BANFF	235
05BC006	SPRAY RESERVOIR AT THREE SISTERS DAM	234
05BC008	GOAT CREEK AT BANFF PARK BOUNDARY	93
05BD003	LAKE MINNEWANKA NEAR BANFF	124
05BD004	CASCADE POWER DIVERSION NEAR BANFF	50
05BD005	CASCADE RIVER ABOVE LAKE MINNEWANKA	50
05BE004	BOW RIVER NEAR SEEBE	38

STATION NO	NAME	PAGE
05BE005	GHOST LAKE NEAR COCHRANE	90
05BE006	BOW RIVER BELOW GHOST DAM	35
05BE007	SPRAY POWER DIVERSION AT CANMORE	234
05BF003	KANANASKIS RIVER ABOVE POCATERRA CREEK	114
05BF005	UPPER KANANASKIS LAKE	255
05BF009	LOWER KANANASKIS LAKE	128
05BF012	MUD LAKE DIVERSION CANAL	165
05BF015	MARMOT CREEK MAIN STEM NEAR SEEBE	144
05BF017	MIDDLE FORK CREEK NEAR SEEBE	155
05BF018	TWIN CREEK NEAR SEEBE	255
05BF019	CABIN CREEK NEAR SEEBE	46
05BF020	MIDDLE FORK CREEK IN CIRQUE NEAR SEEBE	154
05BF024	BARRIER LAKE NEAR SEEBE	11
05BF025	KANANASKIS RIVER BELOW BARRIER DAM	114
05BG002	GHOST RIVER NEAR BLACK ROCK MOUNTAIN	92
05BG003	GHOST RIVER DIVERSION TO LAKE MINNEWANKA	91
05BG006	WAIPAROUS CREEK NEAR THE MOUTH	264
05BG010	GHOST RIVER ABOVE WAIPAROUS CREEK	91
05BH003	NOSE CREEK AT CALGARY	173
05BH004	BOW RIVER AT CALGARY	32
05BH008	BOW RIVER BELOW BEARSPAW DAM	34
05BH009	JUMPINGPOUND CREEK NEAR THE MOUTH	113
05BH013	JUMPINGPOUND CREEK NEAR COX HILL	112
05BH801	NOSE CREEK NEAR THE MOUTH	174
05BP804	BEDDINGTON CREEK NEAR CALGARY	21
05BJ001	ELBOW RIVER BELOW GLENMORE DAM	79
05BJ004	ELBOW RIVER AT SPALC CREEK	78
05BJ006	ELBOW RIVER ABOVE ELBOW FALLS	78
05BJ008	GLENMORE RESERVOIR AT CALGARY	97
05BJ009	LITTLE ELBOW RIVER ABOVE WIHAMI CREEK	132
05BJ010	ELBOW RIVER AT SARCEE BRIDGE	79
05BK001	FISH CREEK NEAR PRIDDIS	87
05BL003	HIGHWOOD RIVER AT HIGH RIVER	102
05BL004	HIGHWOOD RIVER BELOW LITTLE BOW CANAL	102
05BL007	STIMSON CREEK NEAR PEKISKO	240
05BL009	HIGHWOOD RIVER NEAR ALDERSYDE	103
05BL012	THREEPOINT CREEK NEAR MILLARVILLE	250
05BL014	SHEEP RIVER AT BLACK DIAMOND	225
05BL015	LITTLE BOW CANAL AT HIGH RIVER	130
05BL019	HIGHWOOD RIVER AT DIEBEL'S RANCH	101
05BL022	CATARACT CREEK NEAR FORESTRY ROAD	42
05BL023	PEKISKO CREEK NEAR LONGVIEW	185
05BL024	HIGHWOOD RIVER NEAR THE MOUTH	103
05BL025	HIGHWOOD DIVERSION CANAL NEAR HEADGATES	101
05BL027	TRAP CREEK NEAR LONGVIEW	253
05BM002	BOW RIVER BELOW CARSELAND DAM	34
05BM003	WESTERN IRRIGATION DISTRICT CANAL NEAR CHESTERMERE LAKE	274
05BM004	BOW RIVER BELOW BASSANO DAM	33
05BM005	HAMMER MILL SPILLWAY NEAR GLEICHEN	97
05BM007	PARFLESH CREEK NEAR CHANCELLOR	181
05BM008	CROWFOOT CREEK NEAR CLUNY	44
05BM009	TWELVE MILE COULEE SPILLWAY NEAR CARSELAND	254
05BM012	CAIRN HILL SPILLWAY NEAR THE MOUTH	47
05BM014	WEST ARROWWOOD CREEK NEAR ARROWWOOD	272
05BM017	WESTERN IRRIGATION DISTRICT CANAL "B" NEAR HEADGATE	273
05BM018	WEST ARROWWOOD CREEK NEAR ENSIGN	272
05BM019	BOW RIVER ABOVE CARSELAND DAM	31
05BN002	TWELVE MILE CREEK NEAR CEC L	254
05BN006	NEW WEST COULEE NEAR THE MOUTH	158
05BN007	RONALANE WASTEWAY NEAR HAYS	216
05BN008	BOW RIVER DEVELOPMENT DRAIN D NEAR VAUXHALL	35
05BN009	BOW RIVER DEVELOPMENT DRAIN K NEAR VAUXHALL	36
05BN010	ANTELOPE COULEE SPILLWAY	4
05BN012	BOW RIVER NEAR THE MOUTH	39
05BN014	COAL CREEK AT BOW CITY	59
05BN015	ROLLING HILLS CANAL NO. 1 SPILL	214
05BN019	ROLLING HILLS CANAL NO. 2 SPILL	214
05CA002	JAMES RIVER NEAR SUNDRE	110
05CA003	DEER CREEK (MAIN STEM) NEAR SUNDRE	67
05CA004	RED DEER RIVER ABOVE PANTHER RIVER	202
05CA009	RED DEER RIVER BELOW BURNT TIMBER CREEK	204
05CA011	BEARBERRY CREEK NEAR SUNDRE	16
05CA012	FALLENTIMBER CREEK NEAR SUNDRE	85
05CB001	LITTLE RED DEER RIVER NEAR THE MOUTH	133
05CB002	LITTLE RED DEER RIVER NEAR WATER VALLEY	133
05CB004	RAVEN RIVER NEAR RAVEN	201
05CB005	BEAVERDAM CREEK NEAR COCHRANE	18
05CB006	DICKSON RESERVOIR NEAR DICKSON	68
05CB007	DICKSON DAM TUNNEL OUTLET	68
05CC001	BLINDMAN RIVER NEAR BLACKFALDS	29
05CC002	RED DEER RIVER AT RED DEER	203
05CC003	SYLVAN LAKE AT SYLVAN LAKE	248
05CC006	GULL LAKE AT ASPEN BEACH	87
05CC007	MEDICINE RIVER NEAR ECKVILLE	152
05CC008	BLINDMAN RIVER NEAR BLUFFTON	29
05CC009	LLOYD CREEK NEAR BLUFFTON	135
05CC010	WELCH CREEK TRIBUTARY NEAR LEEDALE	271
05CC011	WASKASOO CREEK AT RED DEER	267
05CC012	TINASTOLL CREEK NEAR MARKERVILLE	250
05CD005	BUFFALO LAKE NEAR ERSKINE	45
05CD006	HAYNES CREEK NEAR HAYNES	100
05CD007	PARLBY CREEK AT ALIX	181
05CD802	PARLBY CREEK NEAR MIRROR	182
05CE001	RED DEER RIVER AT DRUMHELLER	203
05CE002	KNEEHILLS CREEK NEAR DRUMHELLER	117
05CE004	ROSEBUD RIVER AT REDLAND	217
05CE006	ROSEBUD RIVER BELOW CARSTAIRS CREEK	217
05CE007	THREEHILLS CREEK NEAR CARBON	248
05CE010	RAY CREEK NEAR INNISFAIL	202
05CE011	BENWICK CREEK NEAR THREE HILLS	208
05CE018	THREEHILLS CREEK BELOW RAY CREEK	249
05CE019	SHEEP COULEE NEAR CARSTAIRS	225
05CE020	MICHICHI CREEK AT DRUMHELLER	153
05CE801	BIGELOW RESERVOIR NEAR WIMBORNE	26
05CG003	BULLPOUND CREEK NEAR THE MOUTH	45
05CG004	BULLPOUND CREEK NEAR WATTS	46
05CG005	ATLAS MINE COULEE AT WESTERN MONARCH	9
05CG006	FISH CREEK ABOVE LITTLE FISH LAKE	87
05CG007	ALBERTA POWER LIMITED COOLING POND OUTLET	2
05CH007	BERRY CREEK NEAR THE MOUTH	25
05CH604	BERRY CREEK NEAR ROSE LYNN	24
05CH611	BERRY CREEK RESERVOIR OUTLET	26
05CH012	DEADFISH INFLOW CANAL NEAR CESSFORD	65
05CH013	FORSTER RESERVOIR NEAR CESSFORD	89
05CH014	BERRY CREEK RESERVOIR NEAR SUNNYNOOK	25
05CH016	BERRY CREEK BELOW DEADFISH CREEK	24
05CJ001	EASTERN IRRIGATION DISTRICT NORTH BRANCH CANAL NEAR BASSANO	77
05CJ003	EASTERN IRRIGATION DISTRICT EAST BRANCH CANAL NEAR LATHOM	76
05CJ004	EASTERN IRRIGATION DISTRICT SPRINGHILL CANAL NEAR LATHOM	77

STATION NO.	NAME	PAGE
05CJ006	OWETREE CREEK NEAR PATRICIA	177
05CJ007	MATZHIWIN CREEK ABOVE WARE COULEE	146
05CJ008	WARE COULEE ABOVE MATZHIWIN CREEK	266
05CK001	BLOOD INDIAN CREEK NEAR THE MOUTH	30
05CK004	RED DEER RIVER NEAR BINDLOSS	204
05CK005	ALKALI CREEK NEAR THE MOUTH	3
05CK006	KENNEDY COULEE NEAR ACADIA VALLEY	115
05CK007	BLOOD INDIAN CREEK NEAR CABIN LAKE	30
05DA002	SIFFLEUR RIVER NEAR THE MOUTH	226
05DA007	MISTAYA RIVER NEAR SASKATCHEWAN CROSSING	180
05DA009	NORTH SASKATCHEWAN RIVER AT WHIRLPOOL POINT	171
05DA010	SILVERHORN CREEK NEAR THE MOUTH	226
05DB002	PRAIRIE CREEK NEAR ROCKY MOUNTAIN HOUSE	199
05DB003	CLEARWATER RIVER ABOVE LIMESTONE CREEK	58
05DB005	PRAIRIE CREEK BELOW LICK CREEK	198
05DB006	CLEARWATER RIVER NEAR DOVERCOURT	59
05DC001	NORTH SASKATCHEWAN RIVER NEAR ROCKY MOUNTAIN HOUSE	173
05DC008	RAM RIVER NEAR THE MOUTH	280
05DC009	LAKE ABRAHAM NEAR NORDEGG	132
05DC010	NORTH SASKATCHEWAN RIVER BELOW BIGHORN PLANT	172
05DC011	NORTH RAM RIVER AT FORESTRY ROAD	170
05DC012	BAPTISTE RIVER NEAR THE MOUTH	10
05DD004	BROWN CREEK AT FORESTRY ROAD	43
05DD005	BRAZEAU RIVER BELOW BRAZEAU PLANT	41
05DD006	BRAZEAU RESERVOIR	41
05DD007	BRAZEAU RIVER BELOW CARDINAL RIVER	42
05DD008	CARDINAL RIVER NEAR THE MOUTH	49
05DD009	NORDEGG RIVER AT SUNCHILD ROAD	189
05DE002	WABAMUN LAKE AT WABAMUN	261
05DE003	WABAMUN CREEK NEAR DUFFIELD	261
05DE005	NORTH SASKATCHEWAN RIVER NEAR LODGEPOLE	172
05DE007	ROSE CREEK NEAR ALDER FLATS	216
05DE009	TOMAHAWK CREEK NEAR TOMAHAWK	252
05DF001	NORTH SASKATCHEWAN RIVER AT EDMONTON	171
05DF003	BLACKMUD CREEK NEAR ELLERSLIE	28
05DF004	STRAWBERRY CREEK NEAR THE MOUTH	242
05DF006	WHITEMUD CREEK NEAR ELLERSLIE	277
05DF007	WHITEMUD CREEK (WEST BRANCH) NEAR IRETON	276
05EA001	STURGEON RIVER NEAR FORT SASKATCHEWAN	244
05EA002	STURGEON RIVER AT ST. ALBERT	243
05EA005	STURGEON RIVER NEAR VILLENEUVE	245
05EA006	LAC STE. ANNE AT ALBERTA BEACH	131
05EA008	ISLE LAKE AT EUREKA BEACH	108
05EA009	ATIM CREEK NEAR SPRUCE GROVE	3
05EA010	STURGEON RIVER NEAR MAGNOLIA BRIDGE	244
05EB011	HASTINGS LAKE NEAR DEVILLE	89
05EB012	COOKING LAKE AT COOKING LAKE	82
05EB013	MINISTIK LAKE NEAR NEW SAREPTA	159
05EB014	MIQUELON LAKE AT PROVINCIAL PARK	159
05EB015	BEAVERHILL CREEK NEAR THE MOUTH	20
05EB018	AMISK CREEK NEAR SMONTS	3
05EB902	POINTE-AUX-PINS CREEK NEAR ARDROSSAN	193
05EB908	POINTE-AUX-PINS TRIBUTARY NO. 1 NEAR ARDROSSAN	193
05EB910	POINTE-AUX-PINS TRIBUTARY NO. 2 NEAR ARDROSSAN	194
05EB911	POINTE-AUX-PINS TRIBUTARY NO. 3 NEAR ARDROSSAN	194
05EC002	WASKATENAU CREEK NEAR WASKATENAU	268
05EC004	NAMEPI CREEK NEAR THE MOUTH	167
05EC005	REDWATER RIVER NEAR THE MOUTH	205
05EC006	WHITE EARTH CREEK NEAR SMOKY LAKE	275
05EC007	REDWATER RIVER NEAR VIMY	206
05ED002	ATIMOSWE CREEK NEAR ELK POINT	8
05ED003	MOOSEHILLS CREEK NEAR ELK POINT	163
05EE003	VERMILION RIVER NEAR VEGREVILLE	259
05EE005	VERMILION RIVER TRIBUTARY NEAR BRUCE	260
05EE007	VERMILION RIVER NEAR MARWAYNE	259
05EE008	VERMILION PARK LAKE NEAR VERMILION	258
05EE913	VERMILION RIVER DRAINAGE NEAR HOLDEN	258
05FA001	BATTLE RIVER NEAR PONOKA	13
05FA013	PIGEON LAKE AT GRANDVIEW	189
05FA014	MASKWA CREEK NO. 1 ABOVE BEARHILLS LAKE	145
05FA016	COAL LAKE RESERVOIR NEAR WETASKIWIN	60
05FA018	DRIEDMEAT CREEK NEAR THE MOUTH	72
05FA019	PIGEON LAKE CREEK NEAR USONA	189
05FA020	DRIEDMEAT LAKE AT OUTFLOW	72
05FA022	PIPESTONE CREEK BELOW BIGSTONE CREEK	191
05FA023	BATTLE RIVER ABOVE PIPESTONE CREEK	12
05FA024	WEILLER CREEK NEAR WETASKIWIN	271
05FA912	MUSKEG CREEK NEAR WESTEROSE	165
05FB003	IRON CREEK NEAR HARDISTY	107
05FB003	IRON CREEK NEAR VIKING	108
05FC001	BATTLE RIVER NEAR FORESTBURG	13
05FC002	BIGKNIFE CREEK NEAR GADSBY	27
05FC004	PAINTEARTH CREEK NEAR HALKIRK	180
05FC005	REDWILLOW CREEK NEAR RED WILLOW	206
05FC008	MEETING CREEK NEAR DONALDA	152
05FD001	RIBSTONE CREEK NEAR EDGERTON	209
05FD005	RIBSTONE CREEK NEAR CIAR	208
05FD006	RIBSTONE CREEK TRIBUTARY NEAR CORONATION	210
05FE002	BUFFALO CREEK AT HIGHWAY NO. 41	44
05FE004	BATTLE RIVER NEAR THE SASKATCHEWAN BOUNDARY	14
05GA003	MONITOR CREEK NEAR MONITOR	151
05GA008	SOUNDING CREEK NEAR DYEN	227
05GA009	KIRKPATRICK LAKE TRIBUTARY NEAR SPONDIN	115
05GA010	KILLARNEY LAKE TRIBUTARY NEAR CHAUVIN	114
05GA011	MONITOR CREEK NEAR CONSORT	151
05GA013	SOUNDING CREEK NEAR CHINOOK	230
05GA013	LOYALIST CREEK NEAR CONSORT	138
05AA001	BEAVER RIVER NEAR GODDRIDGE	19
05AA002	AMISK RIVER AT HIGHWAY NO. 36	3
05AA003	BEAVER LAKE AT RANGER STATION	17
05AA004	COLUMBINE CREEK NEAR THE MOUTH	61
05AB001	SAND RIVER NEAR THE MOUTH	223
05AB002	WOLF RIVER AT OUTLET OF WOLF LAKE	282
05AB003	PUNK CREEK NEAR THE MOUTH	199
05AC001	JACKFISH CREEK NEAR LA COREY	109
05AC002	MOORE LAKE NEAR COLD LAKE	162
05AC003	HILDA LAKE NEAR COLD LAKE	104
05AC004	ETHEL LAKE NEAR COLD LAKE	83
05AC005	MARIE LAKE NEAR COLD LAKE	164
05AC006	MOOSELAKE RIVER NEAR FRANCHERE	163
05AC007	MURIEL LAKE AT GURNEYVILLE	165
05AC009	MANATOKAN CREEK NEAR IRON RIVER	143
05AD005	BEAVER RIVER AT COLD LAKE RESERVE	18
05AD013	REITA CREEK NEAR OUTLET OF ANGLING LAKE	208
05AF002	COLD LAKE AT COLD LAKE	80
05AF008	MARTINEAU RIVER ABOVE COLD LAKE	145
07AA001	MIETTE RIVER NEAR JASPER	165
07AA002	ATHABASCA RIVER NEAR JASPER	8
07AA004	MALIGNE RIVER NEAR JASPER	142

STATION NO.	NAME	PAGE
07AA007	SUNWAPTA RIVER AT ATHABASCA GLACIER	246
07AA009	WHIRLPOOL RIVER NEAR THE MOUTH	274
07AB002	SNAKE INDIAN RIVER NEAR THE MOUTH	229
07AC001	WILDHAY RIVER NEAR HINTON	276
07AC007	BERLAND RIVER NEAR THE MOUTH	33
07AC008	LITTLE BERLAND RIVER AT HIGHWAY NO. 40	129
07AD002	ATHABASCA RIVER AT HINTON	5
07AD004	WHISKEYJACK CREEK NEAR HINTON	275
07AE001	ATHABASCA RIVER NEAR WINDFALL	7
07AF002	MCLEOD RIVER ABOVE EMBARRAS RIVER	49
07AF003	WAMPUS CREEK NEAR HINTON	285
07AF004	BEERLICK CREEK NEAR HINTON	98
07AF005	EUNICE CREEK NEAR HINTON	84
07AF010	SUNDANCE CREEK NEAR BICKERDIKE	245
07AF013	MCLEOD RIVER NEAR CADOMIN	149
07AF014	EMBARRAS RIVER NEAR WEALD	82
07AF015	GREGG RIVER NEAR THE MOUTH	95
07AF907	ERITH RIVER BELOW MARLAN CREEK	87
07AF909	EMBARRAS RIVER AT ROBB	81
07AF910	WHITEHORSE CREEK NEAR CADOMIN	276
07AG003	WOLF CREEK AT HIGHWAY NO. 16A	281
07AG004	MCLEOD RIVER NEAR WHITECOURT	150
07AG007	MCLEOD RIVER NEAR ROSEVEAR	150
07AG008	GROAT CREEK NEAR WHITECOURT	96
07AH001	FREEMAN RIVER NEAR FORT ASSINIBOINE	89
07AH002	CHRISTMAS CREEK NEAR BLUE RIDGE	56
07AH003	SAKWATAMAU RIVER NEAR WHITECOURT	221
07BA001	PEMBINA RIVER BELOW PADDY CREEK	167
07BA002	RAT CREEK NEAR CYNTHIA	201
07BA003	LOVETT RIVER NEAR THE MOUTH	127
07BB002	PEMBINA RIVER NEAR ENTWISTLE	168
07BB003	LOBSTICK RIVER NEAR STYAL	135
07BB004	PADDLE RIVER NEAR ROCHFORT BRIDGE	179
07BB005	LITTLE PADDLE RIVER NEAR MAYERTHORPE	132
07BB006	PADDLE RIVER AT BARRHEAD	178
07BB007	LAC LA NONNE AT LAC LA NONNE	120
07BB008	CHIP LAKE AT OUTLET TO LOBSTICK RIVER	55
07BB009	CONNOR CREEK NEAR SANGUDO	62
07BB011	PADDLE RIVER NEAR ANSELMO	179
07BB012	PADDLE RIVER NEAR SANGUDO	180
07BB013	PADDLE RIVER AT HIGHWAY NO. 794	178
07BB014	COYOTE CREEK NEAR CHERHILL	63
07BB903	ROMEO CREEK ABOVE ROMEO LAKE	219
07BC002	PEMBINA RIVER AT JARVIE	167
07BC005	STEELE LAKE NEAR JARVIE	230
07BC006	DAPP CREEK AT HIGHWAY NO. 44	86
07BC007	WABASH CREEK NEAR PIBROCH	283
07BE001	ATHABASCA RIVER AT ATHABASCA	5
07BE002	BAPTISTE LAKE NEAR ATHABASCA	10
07BE003	PORTER CREEK ABOVE BAPTISTE LAKE	196
07BE014	STONY CREEK NEAR TAWATINAW	241
07BF001	EAST PRAIRIE RIVER NEAR ENILDA	76
07BF002	WEST PRAIRIE RIVER NEAR HIGH PRAIRIE	272
07BF006	WINAGAMI LAKE AT PROVINCIAL PARK	281
07BF008	SOUTH HEART RESERVOIR NEAR MCLENNAN	232
07BF009	SALT CREEK NEAR GROUARD	222
07BH003	DRIFTPILE RIVER NEAR DRIFTPILE	73
07BJ001	SWAN RIVER NEAR KINUSO	246
07BJ002	LESSER SLAVE LAKE AT FAUST	127
07BJ003	SWAN RIVER NEAR SWAN HILLS	247
07BJ004	ADAMS CREEK NEAR KINUSO	1
07BJ006	LESSER SLAVE LAKE AT SLAVE LAKE	117
07BK005	SAULTEAUX RIVER NEAR SPURFIELD	223
07BK006	LESSER SLAVE RIVER AT HIGHWAY NO. 2A	128
07BK007	DRIFTWOOD RIVER NEAR THE MOUTH	73
07BK008	FAWCETT LAKE NEAR SMITH	85
07BK009	SAWRIDGE CREEK NEAR SLAVE LAKE	224
07CA003	FLAT CREEK NEAR BOYLE	88
07CA004	LAC LA BICHE AT LAC LA BICHE	120
07CA005	PINE CREEK NEAR GRASSLAND	190
07CA006	WANDERING RIVER NEAR WANDERING RIVER	265
07CA00[illegible]	BABETTE CREEK NEAR COLINTON	9
07CA0[illegible]9	PICHE RIVER NEAR IMPERIAL MILLS	169
07CA011	LA BICHE RIVER AT HIGHWAY NO. 63	119
07CA012	LOGAN RIVER NEAR THE MOUTH	126
07CA013	OWL RIVER BELOW PICHE RIVER	177
07CB001	CALLING LAKE AT RANGER STATION	48
07CB002	HOUSE RIVER AT HIGHWAY NO. 63	109
07CD001	CLEARWATER RIVER AT DRAPER	58
07CD004	MANGINESTONE RIVER AT FORT MCMURRAY	98
07CD005	CLEARWATER RIVER ABOVE CHRISTINA RIVER	57
07CE001	GREGOIRE LAKE NEAR FORT MCMURRAY	95
07CE002	CHRISTINA RIVER NEAR CHARD	55
07CE003	PONY CREEK NEAR CHARD	53
07CE004	ROBERT CREEK NEAR ANIAC	195
07CE005	JACKFISH RIVER BELOW CHRISTINA LAKE	213
07CE006	BIRCH CREEK NEAR CONKLIN	109
07DA001	ATHABASCA RIVER BELOW MCMURRAY	27
07DA004	STEEPBANK RIVER NEAR FORT MCMURRAY	8
07DA007	POPLAR CREEK NEAR FORT MCMURRAY	240
07DA008	MUSKEG RIVER NEAR FORT MACKAY	198
07DA009	HARTLEY CREEK NEAR FORT MACKAY	186
07DA011	UNNAMED CREEK NEAR FORT MACKAY	96
07DA015	JOSLYN CREEK NEAR FORT MACKAY	288
07DA017	ELLS RIVER NEAR THE MOUTH	112
07DA018	BEAVER RIVER ABOVE SYNCRUDE	81
07DB001	MACKAY RIVER NEAR FORT MACKAY	15
07DB005	MACKAY RIVER ABOVE DUNKIRK RIVER	141
07DC001	FIREBAG RIVER NEAR THE MOUTH	140
07DD002	RICHARDSON RIVER NEAR THE MOUTH	85
07DD007	ATHABASCA RIVER ABOVE JACKFISH CREEK	211
07DD008	RICHARDSON LAKE AT THE OUTLET	4
07DD011	ATHABASCA RIVER NEAR OLD FORT	210
07FB003	PEACE RIVER AT DUNVEGAN BRIDGE	7
07FB006	SADDLE RIVER NEAR WORKING	182
07FB008	HINES CREEK NEAR FAIRVIEW	220
07FB009	CLEAR RIVER NEAR BEAR CANYON	105
07FB011	HINES CREEK ABOVE GERRY LAKE	97
07FB012	MONTAGNEUSE RIVER NEAR HINES CREEK	194
07FB013	EUREKA RIVER NEAR WORSLEY	182
07FB014	WAINSCOTT COULEE NEAR BROWNVALE	84
07FB810	RYCROFT SURVEY NO. 3 NEAR RYCROFT	284
07FB813	YOUNG DRAINAGE PROJECT NEAR SPIRIT RIVER	230
07FB821	VIXEN CREEK NEAR BELLOY	283
07GA001	SMOKY RIVER ABOVE HELLS CREEK	239
07GA002	MUSKEG RIVER NEAR GRANDE CACHE	167
07GB001	CUTBANK RIVER NEAR GRANDE PRAIRIE	86
07GB002	KAKWA RIVER NEAR GRANDE PRAIRIE	113
07GC003	PINTO CREEK NEAR GRANDE PRAIRIE	191

STATION NO.	NAME	PAGE
07GD001	BEAVERLODGE RIVER NEAR BEAVERLODGE	20
07GD002	BEAVERTAIL CREEK NEAR HYTHE	21
07GD003	REDWILLOW RIVER NEAR BEAVERLODGE	207
07GE001	WAPITI RIVER NEAR GRANDE PRAIRIE	266
07GE002	KLESKUN HILLS MAIN DRAIN NEAR GRANDE PRAIRIE	117
07GE003	GRANDE PRAIRIE CREEK NEAR SEXSMITH	94
07GE004	BEAR LAKE NEAR CLAIRMONT	15
07GE005	BEAR RIVER NEAR GRANDE PRAIRIE	15
07GE006	COLQUHOUN CREEK NEAR GRANDE PRAIRIE	61
07GE007	BEAR CREEK NEAR VALHALLA CENTRE	15
07GF001	SIMONETTE RIVER NEAR GODOWIN	227
07GF002	SPRING CREEK NEAR VALLEYVIEW	236
07GF003	WOLVERINE CREEK NEAR VALLEYVIEW	282
07GF004	SPRING CREEK (UPPER) NEAR VALLEYVIEW	235
07GF005	BRIDLEBIT CREEK NEAR VALLEYVIEW	43
07GF006	ROCKY CREEK NEAR VALLEYVIEW	213
07GF007	HORSE CREEK NEAR VALLEYVIEW	105
07GF008	DEEP VALLEY CREEK NEAR VALLEYVIEW	67
07GG001	WASKAHIGAN RIVER NEAR THE MOUTH	287
07GG002	LITTLE SMOKY RIVER AT LITTLE SMOKY	134
07GG003	IOSEGUN RIVER NEAR LITTLE SMOKY	107
07GH002	LITTLE SMOKY RIVER NEAR GUY	134
07GH003	STURGEON LAKE AT WILLIAMSON PARK	243
07GH004	PEAVINE CREEK NEAR PALMER	185
07GH005	WABATAMISK CREEK AT HIGHWAY NO. 67	283
07GJ001	SMOKY RIVER AT WATINO	228
07GJ005	LALBY CREEK NEAR GIROUXVILLE	125
07HA001	PEACE RIVER AT PEACE RIVER	184
07HA003	HEART RIVER NEAR MAMPA	100
07HA005	WHITEMUD RIVER NEAR GIROUXVILLE	277
07HA902	KRAWCHUK DRAINAGE NEAR MCLENNAN	118
07HB001	CADOTTE RIVER AT OUTLET CADOTTE LAKE	47
07HB002	ELDER CREEK AT HIGHWAY NO. 686	80
07HC001	NOTIKEWIN RIVER AT MANNING	174
07HC002	BUCHANAN CREEK NEAR MANNING	44
07HF001	PEACE RIVER AT FORT VERMILION	183
07HF002	RED RIVER AT HIGHWAY NO. 35	115
07JA001	UTIKUMA LAKE NEAR WIPISI	257
07JA002	SOUTH WABASCA LAKE NEAR DESMARAIS	233
07JA003	WILLOW RIVER NEAR WABASCA	280
07JB001	PEERLESS LAKE NEAR PEERLESS LAKE	185
07JB002	WABASCA RIVER BELOW TROUT RIVER	262
07JC001	LAFOND CREEK NEAR RED EARTH CREEK	121
07JD002	WABASCA RIVER AT WADLIN LAKE ROAD	262
07JD003	JACKPINE CREEK AT WADLIN LAKE ROAD	110
07JD004	TEEPEE CREEK NEAR LA CRETE	248
07JF002	BOYER RIVER NEAR FORT VERMILION	40
07JF003	PONTON RIVER ABOVE BOYER RIVER	195
07JF004	BOYER RIVER NEAR PADDLE PRAIRIE	40
07KC001	PEACE RIVER AT PEACE POINT	183
07KC005	PEACE RIVER BELOW CHENAL DES QUATRE FOURCHES	184
07KE001	BIRCH RIVER BELOW ALICE CREEK	28
07KF001	CHENAL DES QUATRE FOURCHES AT QUATRE FOURCHES	54
07KF002	LAKE CLAIRE NEAR OUTLET TO PRAIRIE RIVER	123
07KF003	MAMAWI LAKE CHANNEL AT OLD DOG CAMP	142
07MD001	LAKE ATHABASCA AT FORT CHIPEWYAN	123
07MD002	LAKE ATHABASCA AT BUSTARD ISLAND	122
07NA001	RIVIERE DES ROCHERS ABOVE SLAVE RIVER	211
07NA007	RIVIERE DES ROCHERS EAST OF LITTLE RAPIDS	212
07NA008	RIVIERE DES ROCHERS WEST OF LITTLE RAPIDS	212
07NB001	SLAVE RIVER AT FITZGERALD	227
07NB008	DOG RIVER NEAR FITZGERALD	89
07OA001	SOUSA CREEK NEAR HIGH LEVEL	231
07OB003	HAY RIVER NEAR MEANDER RIVER	99
07OB004	STEEN RIVER NEAR STEEN RIVER	249
07OB005	MEANDER RIVER AT OUTLET HUTCH LAKE	151
07OB006	LUTOSE CREEK NEAR STEEN RIVER	139
07OB007	HUTCH LAKE TRIBUTARY NEAR HIGH LEVEL	105
07OC001	CHINCHAGA RIVER NEAR HIGH LEVEL	54
11AA001	NORTH MILK RIVER NEAR INTERNATIONAL BOUNDARY	170
11AA005	MILK RIVER AT MILK RIVER	156
11AA025	MILK RIVER AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY	157
11AA026	SAGE CREEK AT O RANCH NEAR WILDHORSE	221
11AA028	BEAR CREEK NEAR INTERNATIONAL BOUNDARY	14
11AA029	MINERS COULEE NEAR INTERNATIONAL BOUNDARY	158
11AA031	MILK RIVER AT EASTERN CROSSING OF INTERNATIONAL BOUNDARY	158
11AA032	NORTH FORK MILK RIVER ABOVE ST. MARY CANAL	169
11AA033	SOUTH FORK MILK RIVER NEAR BARR	231
11AA036	VERDIGRIS COULEE NEAR THE MOUTH	257
11AB005	MIDDLE CREEK NEAR THE SASKATCHEWAN BOUNDARY	154
11AB030	REESOR RESERVOIR NEAR ELKWATER	207
11AB031	MICHEL RESERVOIR NEAR ELKWATER	153
11AB032	GREASEWOOD RESERVOIR NEAR ELKWATER	94
11AB034	BARE CREEK RESERVOIR NEAR ELKWATER	11
11AB037	CRESSDAY RESERVOIR NEAR CRESSDAY	84
11AB038	JAYBOT RESERVOIR NEAR JAYBOT	111
11AB039	MITCHELL RESERVOIR NEAR ELKWATER	180
11AB104	MASSY RESERVOIR NEAR ELKWATER	145
11AB902	LODGE CREEK AT HIGHWAY NO. 41	136